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16. Abstract This report documents the mobile source emissions estimation methodology used for the conformity analysis of the Transportation Improvement Program (TIP) and the metropolitan transportation plan (MTP) for El Paso. Included in the report is a brief overview of the emission estimation methodology and the 24-hour traffic assignments used in the analyses; the methods used to estimate the seasonally adjusted time-of-day vehicle miles of travel and associated operating speeds; the estimation of the emission rates using the EPA's MOBILE5a program; and brief outlines of the method used to develop the emission estimates using the MOBILE5a emission rates and comparisons of the emission estimates for the Build and No-Build Options. An appendix presents the emission rates developed for conformity analysis.			
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EL PASO TIP AND MTP 1995 - 2015 CONFORMITY ANALYSIS

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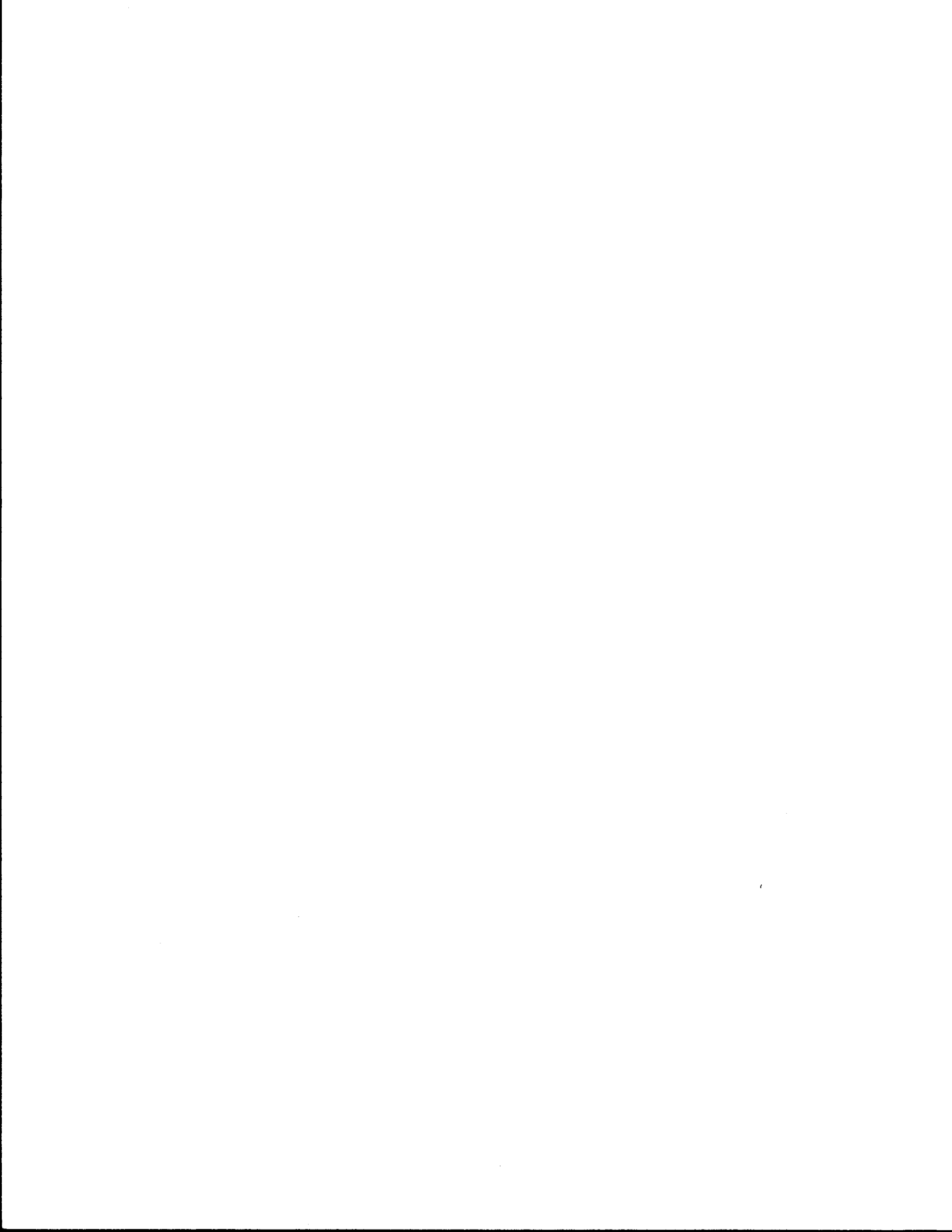
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IMPLEMENTATION STATEMENT

This report documents for the record the procedures used by the Texas Transportation Institute in support of the FY-94 conformity analysis for El Paso. The findings of the conformity analysis were previously submitted by the Metropolitan Planning Organization and Texas Department of Transportation to the Federal Highway Administration. The software used for these procedures is described in Research Report 1279-2, "User's Guide for the Texas Mobile Source Emission Estimation Software: PREPIN, POLFAC5A, COADJ, IMPSUM, and SUMALL." No further implementation of the materials in this report is needed.

The purpose of this report is primarily to document procedures supporting State Implementation Plan submittals produced for and in cooperation with the Texas Natural Resource Conservation Commission. The State Implementation Plan-related materials being submitted to the Environmental Protection Agency by the Texas Natural Resource Conservation Commission are prepared in English units. Because this report is primarily to document procedures supporting State Implementation Plan submittals, English units have been used to maintain consistency.



DISCLAIMER

The contents of this report reflect the views of the authors who are responsible for the opinions, findings, and conclusions presented herein. The contents do not necessarily reflect the official views or policies of the Texas Department of Transportation. This report does not constitute a standard, specification, or regulation. Additionally, this report is not intended for construction, bidding, or permit purposes. George B. Dresser, Ph.D., is Principal Investigator for this project.

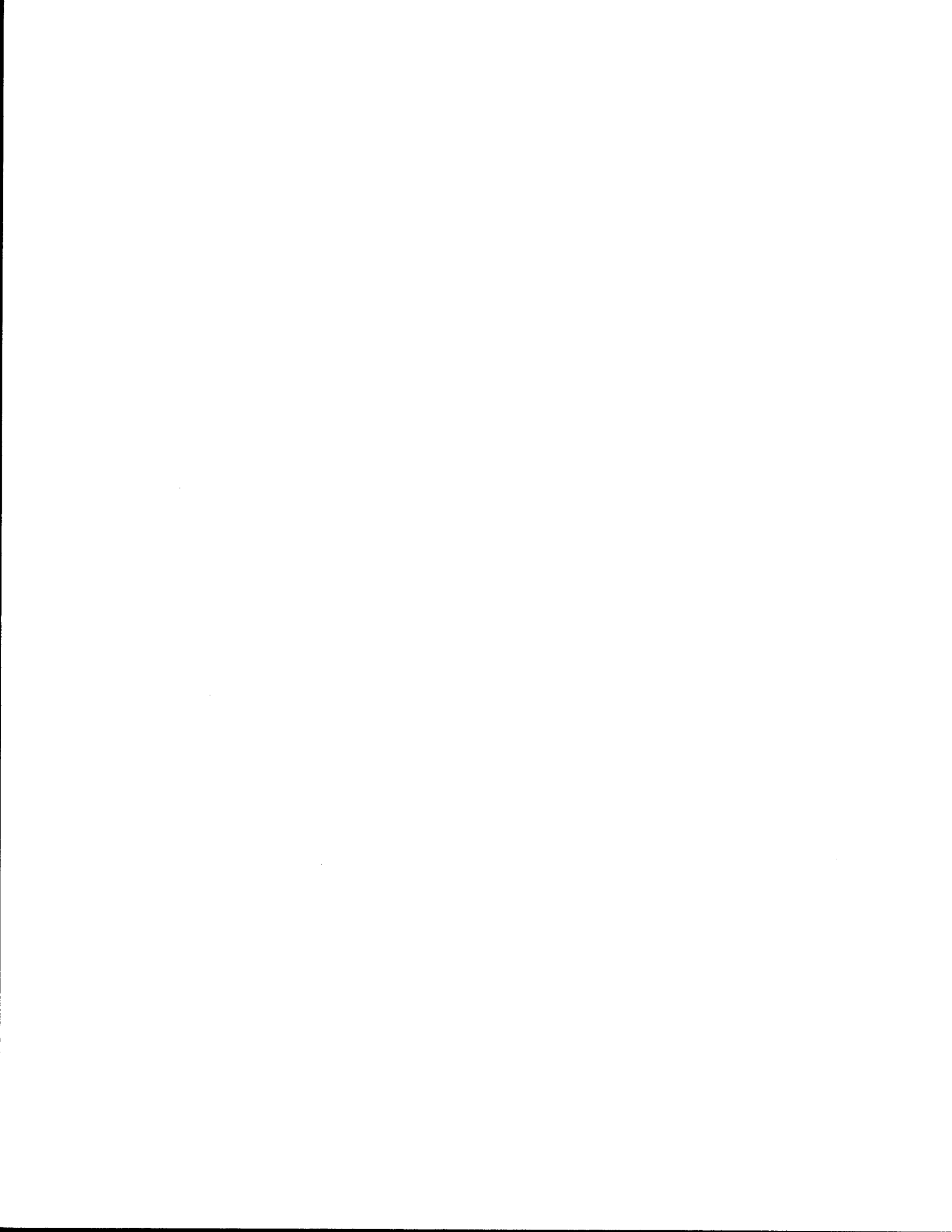


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SUMMARY

For these conformity analyses, a series of 24-hour assignments was performed for the El Paso region for the Build and No-Build Options for 1995 (winter 1996), 1996, 1998 (winter 1999), 1999, 2005, and 2015. Summer and/or winter mobile source emission estimates were developed for each of these assignments. A series of programs (POLFAC5A, PREPIN, and IMPSUM) developed by TTI to facilitate the application of the Environmental Protection Agency's (EPA) MOBILE5a program was used for these conformity analyses. The following briefly describes the methodology and software used in developing the estimates.

The four programs used for computing the mobile source emissions for the El Paso analyses are:

PREPIN The PREPIN program was developed for use in urban areas (such as El Paso) which do not have time-of-day assignments and speeds available for air quality analyses. The program reads (inputs) the nondirectional 24-hour assignment data set. The 24-hour nondirectional assignment volumes on each link are initially scaled to the appropriate VMT (discussed below). The time-of-day factors are applied to the adjusted 24-hour assignment results on each link to estimate the directional time-of-day travel on the link. Speed models, originally developed for the Dallas-Fort Worth region, are used to estimate the operational time-of-day speeds by direction on the links. Special intrazonal links are defined, and the VMT and speeds for intrazonal trips are estimated. These VMT and speeds by link are subsequently input to the IMPSUM program for the application of MOBILE5a emission factors.

Using the PREPIN software, the El Paso 24-hour assignments were used to develop seasonally adjusted time-of-day VMT and speed estimates for four time-of-day periods:

Morning Peak Hour:	7:15 a.m. - 8:15 a.m.
Midday:	8:15 a.m. - 4:45 p.m.
Afternoon Peak Hour:	4:45 p.m. - 5:45 p.m.
Overnight:	5:45 p.m. - 7:15 a.m.

Separate time-of-day VMT and speed estimates were developed for the summer season and the winter season.

VMT VMT estimates for 1990 (summer and winter) were developed from HPMS data by applying a seasonal adjustment factor calculated from automatic traffic recorder (ATR) stations located in El Paso County. The 1995, 1996, 1998, and 1999 VMT estimates were developed by applying the travel model growth rates to the 1990

seasonally adjusted HPMS-based VMT estimates. The 2005 and 2015 VMT estimates were developed by fitting a least squares regression line through the 1990-1999 VMT estimates. Separate regression lines were fitted to the summer and winter 1990-1996 VMT estimates. The resulting summer and winter VMT estimates by year were used together with the VMT estimates produced by the various traffic assignments to develop VMT scale factors for use with the PREPIN software. The purpose of the scale factor is to scale the traffic assignment VMT to the appropriate HPMS-based VMT projections. A scaling factor was calculated for each build alternative by comparing the appropriate build alternative traffic assignment VMT to the seasonally adjusted HPMS-based projected VMT for the same year. This scaling factor was kept constant and applied to the analysis of the associated no-build traffic assignment using the PREPIN software.

POLFAC5A The POLFAC5A program is used to apply the EPA's MOBILE5a program to obtain the emission FACTORS (rates). The MOBILE5A emission factors are obtained for eight vehicle types and 63 speeds (i.e., 3 mph through 65 mph) for each vehicle type. There are 504 factors (i.e., $8 \times 63 = 504$) for each pollution type. Three pollution types are computed: VOC, CO, and NOx. Hence, for a given county there are 1,512 emission factors. Because emission factors vary by year, emission factors were developed for each of the target years (i.e., 1995, 1996, 1998, 1999, 2005, and 2015). These emission factors are output to an ASCII file for subsequent input to the IMPSUM program. The POLFAC5A program is applied for each time-of-day time period being modeled. These time-of-day emission factors are applied using the IMPSUM program to time-of-day VMT estimates by link.

The POLFAC5A program was applied to develop the seasonal emission factors for each time-of-day period for each of the application years. The average temperature for the subject season and subject time-of-day period was an input to the POLFAC5A application of the MOBILE5a model. A separate 24-hour application of MOBILE5a was used to develop the diurnal emission rates for the summer season.

IMPSUM The IMPSUM program applies the emission rates (obtained from POLFAC5A) and VMT mixes to the time-of-day VMT and speed estimates to estimate the emissions. The four primary inputs to IMPSUM are:

1. MOBILE5a emission factors developed using POLFAC5A.
2. Abbreviated assignment results by link input for the subject time period developed using the PREPIN program. The PREPIN program allows the user to estimate the VMT and speed on each link by time period. For each link, the following information is input to IMPSUM: county number, roadway type number, VMT on link, operational speed estimate, and link

- distance.
3. VMT mix by county and roadway type.
 4. X-Y coordinates.

Using these input data, the VMT for each link is stratified by the eight vehicle types; and the MOBILE5a emission factors are applied to estimate the mobile source emissions for that link. The emissions for each county and emission type are reported by both roadway type and vehicle type (i.e., cross-classified by roadway type and vehicle type). A data set is produced for subsequent input to the SUMALL program.

The IMPSUM program was applied to estimate the emissions for each of the four time-of-day periods. The 24-hour diurnal estimates were computed using the 24-hour diurnal rates.

SUMALL The SUMALL program was used to sum the emission estimates for the four time periods and the diurnal emissions to develop the final emission estimates for each assignment. The emissions by emission type are reported for both roadway type and vehicle type (i.e., cross-classified by roadway type and vehicle type).



I. INTRODUCTION

This report documents the mobile source emission estimation methodology used for the conformity analysis of the FY-94 TIP for El Paso County. The remainder of this chapter provides a brief overview of the emission estimation methodology and the 24-hour traffic assignments used in the analyses. Chapter II describes the vehicle projections used in the analyses. Chapter III describes the methods used to estimate the seasonally adjusted time-of-day vehicle miles of travel (VMT) and associated operating speeds. Chapter IV discusses estimating emission rates using the EPA's MOBILE5a program. Chapter V briefly outlines the method used to develop the emission estimates using the MOBILE5a emission rates and compares the emission estimates for the Build and No-Build Options.

OVERVIEW OF EMISSION ESTIMATION METHODOLOGY

For these conformity analyses, a series of 24-hour assignments was performed for the El Paso region for the Build and No-Build Options for 1995 (winter 1996), 1996, 1998 (winter 1999), 1999, 2005, and 2015. Summer and/or winter mobile source emission estimates were developed for each of these assignments. A series of programs (POLFAC5A, PREPIN, and IMPSUM) developed by TTI to facilitate the application of the Environmental Protection Agency's (EPA) MOBILE5a program was used for these conformity analyses. The following briefly describes the methodology and software used in developing the estimates.

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Using the PREPIN software, the El Paso 24-hour assignments were used to develop seasonally adjusted time-of-day VMT and speed estimates for four time-of-day periods:

Morning Peak Hour:	7:15 a.m. - 8:15 a.m.
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Overnight:	5:45 p.m. - 7:15 a.m.

Separate time-of-day VMT and speed estimates were developed for the summer season and the winter season.

VMT

VMT estimates for 1990 (summer and winter) were developed from HPMS data by applying a seasonal adjustment factor calculated from automatic traffic recorder (ATR) stations located in El Paso County. The 1995, 1996, 1998, and 1999 VMT estimates were developed by applying the travel model growth rates to the 1990 seasonally adjusted HPMS-based VMT estimates. The 2005 and 2015 VMT estimates were developed by fitting a least squares regression line through the 1990-1999 VMT estimates. Separate regression lines were fitted to the summer and winter 1990-1996 VMT estimates. The resulting summer and winter VMT estimates by year were used together with the VMT estimates produced by the various traffic assignments to develop VMT scale factors for use with the PREPIN software. The purpose of the scale factor is to scale the traffic assignment VMT to the appropriate HPMS-based VMT projections. A scaling factor was calculated for each build alternative by comparing the appropriate build alternative traffic assignment VMT to the seasonally adjusted HPMS-based projected VMT for the same year. This scaling factor was kept constant and applied to the analysis of the associated no-build traffic assignment using the PREPIN software.

POLFAC5A The POLFAC5A program is used to apply the EPA's MOBILE5a program to obtain the emission FACTORS (rates). The MOBILE5a emission factors are obtained for eight vehicle types and 63 speeds (i.e., 3 mph through 65 mph) for each vehicle type. There are 504 factors (i.e., $8 \times 63 = 504$) for each pollution type. Three pollution types are computed: VOC, CO, and NOx. Hence, for a given county there are 1,512 emission factors. Because emission factors vary by year, emission factors were developed for each of the target years (i.e., 1995, 1996, 1998, 1999, 2005, and 2015). These emission factors are output to an ASCII file for subsequent input to the IMPSUM program. The POLFAC5A program is applied for each time-of-day time period being modeled. These time-of-day emission factors are applied using the IMPSUM program to time-of-day VMT estimates by link.

The POLFAC5A program was applied to develop the seasonal emission factors for each time-of-day period for each of the application years. The average temperature for the subject season and subject time-of-day period were inputs to the POLFAC5A application of the MOBILE5a model. A separate 24-hour application

of MOBILE5a was used to develop the diurnal emission rates for the summer season.

IMPSUM The IMPSUM program applies the emission rates (obtained from POLFAC5A) and VMT mixes to the time-of-day VMT and speed estimates to estimate the emissions. The four primary inputs to IMPSUM are:

1. MOBILE5a emission factors developed using POLFAC5A.
2. Abbreviated assignment results by link input for the subject time period developed using the PREPIN program. The PREPIN program allows the user to estimate the VMT and speed on each link by time period. For each link, the following information is input to IMPSUM: county number, roadway type number, VMT on link, operational speed estimate, and link distance.
3. VMT mix by county and roadway type.
4. X-Y coordinates.

Using these input data, the VMT for each link is stratified by the eight vehicle types; and the MOBILE5a emission factors are applied to estimate the mobile source emissions for that link. The emissions for each county and emission type are reported by both roadway type and vehicle type (i.e., cross-classified by roadway type and vehicle type). A data set is produced for subsequent input to the SUMALL program.

The IMPSUM program was applied to estimate the emissions for each of the four time-of-day periods. The 24-hour diurnal estimates were computed using the 24-hour diurnal rates.

SUMALL The SUMALL program was used to sum the emission estimates for the four time periods and the diurnal emissions to develop the final emission estimates for each assignment. The emissions by emission type are reported for both roadway type and vehicle type (i.e., cross-classified by roadway type and vehicle type).

24-HOUR TRAFFIC ASSIGNMENTS

The 24-hour capacity restrained traffic assignments were developed by the Transportation Planning and Programming Division of TxDOT in a cooperative effort with the El Paso District Office of TxDOT and the El Paso MPO. Table 1 summarizes the 24-hour highway assignments used in these analyses.

TABLE 1
24-Hour Traffic Assignments

Traffic Assignment	Trip Table Year	Network Year
1. 1993 Base Year	1993	1993
2. 1995 Build Option	1995	1995
3. 1995 No-Build Option	1995	1993
4. 1996 Build Option	1996	1996
5. 1996 No-Build Option	1996	1993
6. 1998 Build Option	1998	1998
7. 1998 No-Build Option	1998	1993
8. 1999 Build Option	1999	1999
9. 1999 No-Build Option	1999	1993
10. 2005 Build Option	2005	2005
11. 2005 No-Build Option	2005	1993
12. 2015 Build Option	2015	2015
13. 2015 No-Build Option	2015	1993

The travel demand models were developed and validated for the 1987 base year. The 1993 trip table was estimated by factoring the 1987 trip table to represent 1993 conditions. The 1996 trip table was developed by applying the travel demand models using forecast 1996 demographics. The 1995 trip table was estimated by factoring the 1996 trip table by 0.97 to represent 1995 travel. The 1998, 1999, 2005, and 2015 trip tables were also developed using a factoring approach.

These analyses used seven highway networks (i.e., the 1993, 1995, 1996, 1998, 1999, 2005, and 2015 networks). The 1993 network was used to represent the No-Build Option for the conformity analyses.

II. PROJECTION OF VEHICLE REGISTRATIONS

The projection of vehicle registrations for use in EPA's MOBILE model program was done using a modified version of the methodology discussed in EPA's "Procedures for Preparing Emissions Projections" (pp. 32-39). The methodology suggested by EPA uses average growth rates for projecting estimates of new vehicle registrations and survival rates for estimating the number of older vehicles that will be registered in future years. The methodology used in this report is similar in that estimates of the number of older vehicles registered in future years are based on the use of scrappage rates which are also the basis for estimating survival rates. The primary difference in the methodology used in this report and the method suggested by EPA is the method of estimating the number of new vehicle registrations for future years. The input data and the methodology are discussed in the following sections.

INPUT DATA

The input data consisted of the number of registered vehicles by age and type of vehicle (i.e., model year), survival or scrappage rates by age and type of vehicle, and population estimates for each county for 1990 through 2020. The registration data for each county came from TxDOT, Motor Vehicle Registration Division. This historical information was used to develop estimates of new vehicle registrations (by county) and estimates of the percentage of registered vehicles by type of vehicle and model year.

The data used in this analysis were the 1989 through 1992 vehicle registrations by model year for each of the counties being analyzed. The registration data for each of these years were data as of September 1 for each year. The 1992 registered vehicles were used as the base year from which subsequent projections were made.

Local data on survival/scrappage rates were not available. Data from the "Study of Vehicle Scrappage Rates," Oak Ridge National Laboratory, August 1990, were used for automobiles, light duty trucks, and heavy duty trucks. Scrappage rates were estimated for motorcycles using data from the "1991 Motorcycle Statistical Annual," Motorcycle Industry Council, Inc.

METHODOLOGY

The first step was to estimate the total new vehicle registrations in 1992 for each county, because the registration data available for 1992 were data as of September 1, 1992. An estimate of the average growth rate in new vehicle registrations between the years 1986 through 1991 was first developed. Since registration data were available for vehicles by type and model year only for 1989 through 1992, new vehicle registrations for 1986, 1987, and 1988 were estimated using scrappage rates applied to the vehicle registration data for 1989. For example, in Harris County

138,384 1988 model automobiles were registered in 1989. Using the scrappage rate of 0.00441 for one-year-old vehicles, the number of 1988 automobiles registered in 1988 was estimated by dividing 138,384 by $1 - 0.00441$. The result was an estimate of 138,997 1988 automobiles registered in 1988. Using the same method with scrappage rates for two- and three-year-old vehicles, estimates of new vehicle registrations were developed for 1986 and 1987. These estimates were then used to develop average growth rates in new vehicle registrations for the five years prior to 1992. The average growth rate was then used to estimate the number of 1992 vehicles registered in 1992.

Based on the number of new vehicles registered as of September 1 each year and the number which were registered as of the end of each year (from the next year's registration data), the percentage of new vehicles registered as of September 1 was computed for years 1989, 1990, and 1991. A second estimate of the number of 1992 vehicles that would be registered in 1992 was developed based on the average percentage of new vehicles registered as of September 1 applied to the number of 1992 vehicles registered as of September 1, 1992. The final estimate used for 1992 was the average of the two estimates. In estimating vehicle registrations, each type of vehicle was estimated individually.

The Comptroller of Public Accounts supplied vehicle registration data and population estimates for 1990, 1991, and 1992. Regression analyses were performed relating the total number of registered vehicles in a county and the percentage of vehicles by type of vehicle to the population in the county. Total registered vehicles was related directly to population while the percentage of vehicles in each class was related to the natural log of the population. Where 1989 data were available for registered vehicles, the 1989 population was estimated based on the 1990 through 1992 population estimates.

The 1989 through 1992 vehicle registration data were analyzed to develop estimates of the percentage change in vehicles between years which could be attributed to new vehicle registrations and the percentage which could be attributed to additions/deletions of older vehicles in the vehicle population. A regression analysis was performed on the percentage which could be attributed to new vehicles as a function of population change for each county. The resulting coefficients were applied to the projected population change in each county to estimate the percentage of vehicular growth (by type of vehicle) expected to be due to new vehicle registrations. In addition, a regression analysis was performed relating the growth in new vehicle registrations with the population change from 1989 to 1992.

Beginning with the vehicles registered in 1992 by model year, the scrappage rates were applied to estimate the number of vehicles which would be expected to be in operation (and therefore registered) in 1993. Specific rates were used for automobiles, motorcycles, light duty trucks, and heavy duty trucks. This resulted in estimates of the number of 1968 through 1992 model year vehicles expected to be registered in each county in 1993.

Using the estimated population for each county and the coefficients obtained from the

linear regressions, an estimate of the total vehicles expected to be registered in each county was developed. The percentage of vehicles by type was then estimated using the coefficients obtained from the linear regressions. These estimates were used to develop control totals of the estimated number of registered vehicles for each county. The absolute change in the total number of vehicles (by type) expected to be registered in each county was then estimated by summing the number of 1968 through 1992 vehicles determined to still be in operation in 1993 and subtracting the total from the estimated number of vehicles expected to be registered in the county in 1993 (based on the estimated total registered vehicles by type). The result was estimates of the number of new and older vehicles which would be registered in the county. The percentage of those vehicles which would be new vehicles was estimated using the regression coefficients computed earlier and applied to the projected population change from the prior year. Using the regression results which related the change in new vehicle registrations with the population change, a second estimate of the number of new vehicle registrations was computed. For automobiles (LDV), motorcycles (MC), and light duty gas trucks type one (LDGT1), the larger of the two estimates of new vehicle registrations was used. For light duty gas trucks type two (LDGT2), heavy duty gas trucks (HDGV), and heavy duty diesel trucks (HDDV), the two estimates were averaged. These seemed to produce the most realistic results in analyzing the final projections. The remaining older vehicles were distributed in the same proportion as the vehicles which had survived from the prior year. The final step was the conversion of the vehicles into percentages for input to EPA's MOBILE model.

Estimates for 1994 through 2015 were developed using the same methodology applied to each year in a sequential manner. The estimates were then converted to percentages by model year and placed in computer files for input to EPA's MOBILE model.

The total vehicle registration by county was projected by vehicle type for 1996, 1999, 2005, and 2015 using vehicle registration data from 1990 which was readily available from TxDOT's Motor Vehicle Registration Division. These projections were calculated by each vehicle model year for the current year and the 19 previous years, with the last year including all of the vehicles in the older category. The older category includes all vehicles 21 years and older. The totals of all vehicle model years by vehicle type were determined. The original vehicle registration data from TxDOT was aggregated into six vehicle groups: LDV, MC, LDGT1, LDGT2, HDDV, and HDGV. These six groups were then disaggregated into the eight MOBILE4.1 vehicle groups using the MOBILE4.1 default values and 1990 El Paso County vehicle registration data to separate LDV into LDGV and LDDV, LDT1 into LDGT1 and LDDT, and HDV into HDGV and HDDV. The procedure used to group the classification counts are shown below:

LDV	100 passenger cars from TxDOT vehicle classification counts
LDGV	98 LDV (MOBILE4.1 default)
LDDV	2 LDV (MOBILE4.1 default)
LDT1	80 panel and pickup trucks from TxDOT vehicle classification counts
LDGT1	97 LDT1 (MOBILE4.1 default)
LDDT	3 LDT1 (MOBILE4.1 default)

LDGT2	20 panel and pickup trucks from TxDOT vehicle classification counts 20 other 2-axle from TxDOT vehicle classification counts
HDV	80 other 2-axle, plus remaining truck classifications
HDGV	76.8 HDV (September 1, 1990 El Paso County Vehicle Registration data)
HDDV	23.2 HDV (September 1, 1990 El Paso County Vehicle Registration data)
MC	100 motorcycles and motor scooters from vehicle classification counts

The distribution of panel and pickup trucks between LDT1 and LDGT2 and other 2-axle trucks between LDGT2 and HDV is based on the professional judgment of TxDOT traffic data collection staff. TxDOT vehicle classification count procedures do not distinguish between gas and diesel trucks.

The total number of vehicles for 1996, 1999, 2005, and 2015 were used for the conformity analyses. This distribution (total vehicles) was redistributed using 1994 TxDOT vehicle registration for El Paso County to more accurately represent the current and future vehicle fleets. Since the 1994 El Paso County vehicle registration data only recognizes six vehicle types the number of diesel vehicles had to be redetermined. The redistribution was accomplished using the distribution trends and methodology from the previous distribution methodology. Table 2 shows the total number of vehicles registered by the eight vehicle types for 1990, 1996, 1999, 2005, and 2015 after the redistribution. Table 3 shows the redistribution factors for the six vehicle types of the 1994 El Paso County vehicle registration data and the redistribution factors for the projected eight vehicle types.

TABLE 2
Vehicle Estimates for El Paso County

VEHICLE TYPE	1996	1999	2005	2015
LDGV	295,825	312,264	342,761	388,561
LDGT1	87,312	92,164	101,165	114,683
LDGT2	5,980	6,313	6,929	7,855
HDGV	3,588	3,788	4,157	4,713
LDDV	797	842	924	1,047
LDDT	399	421	462	524
HDDV	1,196	1,263	1,386	1,571
MC	3,588	3,788	4,157	4,713
TOTAL	398,686	420,841	461,942	523,667

Source: Improved Forecasts of Vehicle Size and Age Distribution and the Impact on Energy Consumption and Vehicle Emissions. Texas Transportation Institute, 1993.

TABLE 3
Vehicle Distribution Fraction by Vehicle Type for El Paso County

Vehicle Distribution	LDGV	LDGT-1	LDGT-2	HDGT	LDDV	LDDT	HDDV	MC
TxDOT 1994 ¹	.743	.220	.015	.009			.003	.009
Projected 1996 ²	.742	.219	.015	.009	.002	.001	.003	.009
Projected 1999 ²	.742	.219	.015	.009	.002	.001	.003	.009
Projected 2005 ²	.742	.219	.015	.009	.002	.001	.003	.009
Projected 2015 ²	.742	.219	.015	.009	.002	.001	.003	.009

¹ TxDOT Vehicle Registration Data 1994

² Projected from TxDOT Vehicle Registration Data from 1994 and modified to accommodate eight vehicle types.



III. ESTIMATION OF TIME-OF-DAY VMT AND SPEEDS

The time-of-day VMT and speed estimates for El Paso County were developed using the PREPIN program. PREPIN is one of a series developed by TTI to facilitate the application of EPA's MOBILE5a program in estimating mobile source emissions. PREPIN was developed for use in urban areas (such as El Paso) which do not have time-of-day assignments and speeds available for air quality analyses. The program inputs a 24-hour assignment and applies the needed seasonal adjustment factors. The time-of-day factors are applied to the seasonally adjusted 24-hour assignment results to estimate the directional time-of-day travel. The Dallas-Fort Worth speed models are used to estimate the operational time-of-day speeds by direction on the links. Special intrazonal links are defined, and the VMT and speeds for intrazonal trips are estimated. These VMT and speeds by link are subsequently input to the IMPSUM program for the application of MOBILE5a emission factors.

For the conformity analyses, a series of 24-hour assignments was performed for the El Paso region for the 1993 base year and for the Build and No-Build Options for 1995 (Winter 1996), 1996, 1998 (Winter 1999), 1999, 2005, and 2015. For a given application year and season, four applications of PREPIN are run to estimate the directional VMT and speeds for each of four time periods comprising the 24-hour period:

Time Period 1	Morning Peak Hour:	7:15 a.m. - 8:15 a.m.
Time Period 2	Midday:	8:15 a.m. - 4:45 p.m.
Time Period 3	Afternoon Peak Hour:	4:45 p.m. - 5:45 p.m.
Time Period 4	Overnight:	5:45 p.m. - 7:15 a.m.

For a given application of PREPIN for the El Paso conformity analyses, the following parameters and data were input to PREPIN:

- County table of equals
- Area type table of equals
- Seasonal adjustment factor
- Time-of-day factor
- Directional split estimates
- Time-of-day capacity factors
- Freeflow speed factors
- Coefficients for the Dallas-Fort Worth speed estimation model
- Assignment trip table
- Zonal radii data
- Capacity restrained assignment results

The remainder of this chapter discusses these key input data used in the El Paso PREPIN applications to prepare the time-of-day VMT and speed estimates. The primary output of PREPIN is a data set for the subject time period containing two records for each link (i.e., one record

specifying the estimated time-of-day VMT and speed in the peak, or principal, direction and the second record specifying the estimated VMT and speed in the opposite direction). This data set is subsequently input to IMPSUM which applies the MOBILE5a emission rates (developed using POLFAC5A to estimate the mobile source emissions for each link. Finally, SUMALL combines the time-of-day emission estimates and computes the 24-hour diurnal estimates to obtain the 24-hour emission estimates.

COUNTY SPECIFICATIONS

PREPIN provides for processing an assignment comprised of up to eight counties. Various summaries are produced by county and for the entire region. For a given application, the counties are numbered sequentially starting with one. The county table of equals data input to PREPIN specifies the zone numbers contained in each county. In the case of El Paso, the region is comprised of only one county. Hence, all zones in the El Paso region are equated to county 1. Each link in the network is assigned an associated zone number. Using the link's associated zone number, the county within which the link is located is determined using this input data. The county number is included in the link record output data set produced by PREPIN. The specification of the county number in these data allows the IMPSUM program to accumulate and report the mobile source emission estimates by county.

AREA TYPE SPECIFICATIONS

PREPIN allows various factors to be specified by area type number and functional classification number. The El Paso regional models use eight area types:

1. Central Business District (CBD)
2. CBD Fringe
3. Urban Residential
4. Urban North
5. Suburban (North)
6. Suburban (West)
7. Suburban (East)
8. Rural

The El Paso area type table of equals specifies the zones contained in each of the eight area types. Using the link's associated zone number, the area type within which the link is located is determined.

SEASONAL ADJUSTMENT FACTORS

Because 24-hour travel on the highway system varies somewhat by season, PREPIN provides for the input and application of seasonal adjustment factors to account for the seasonal variations. The seasonal adjustment factors are applied to the 24-hour link volumes to estimate the seasonally adjusted 24-hour volumes and VMT. Two sets of seasonal adjustments were employed in the El Paso conformity analyses: Winter Seasonal Adjustment Factors and Summer Seasonal Adjustment Factors. The following are the seasonal adjustment factors used in the El Paso conformity analyses:

<u>Season</u>	<u>Area Types</u>	<u>Factor</u>
Winter (November - January)	1 - 7 (urban)	0.998
	8 (rural)	1.018
Summer (June - August)	1 - 7 (urban)	1.019
	8 (rural)	1.070

These factors were estimated using data from 1990 Annual Report Permanent Automatic Traffic Recorders (published by the TxDOT). The following describes the procedures used to estimate the seasonal adjustment factors.

Winter Seasonal Adjustment Factor Computations

The travel models are assumed to simulate AWT for a typical school year (September through May) and weekday (Monday through Thursday). For purposes of estimating a typical CO season (November through January) weekday (Monday through Friday) AWT, the Monday through Thursday AWT from the travel model was adjusted in two steps. The first step was to adjust Monday through Thursday travel to represent Monday through Friday travel by multiplying by the ratio of Monday through Thursday AAWT to Monday through Friday AAWT for the September through May time period. The second step was to adjust the September through May, Monday through Friday AAWT to November through January, Monday through Friday AAWT. The two adjustment factors were then multiplied to provide the total adjustment factor. Data from the ATR stations were used to calculate the adjustment factors.

There are four permanently located traffic recorders (ATRs) in El Paso County. Two of these are in the urban area, one is located just outside the urban boundary, and one is located in a rural area. The locations and adjustment factors are:

- S070 FM-258, 2.3 miles west of FM-1110, Ysleta, rural
Monday - Thursday to Monday - Friday: 102.3
September - May to November - January: 97.9
Total adjustment: 100.2
- S123 IH-10, 1.2 miles south of Loop 375, El Paso boundary, rural
Monday - Thursday to Monday - Friday: 102.6
September - May to November - January: 100.7
Total adjustment: 103.3
- S162 IH-10, 0.6 miles west of US-54, El Paso, urban
Monday - Thursday to Monday - Friday: 101.5
September - May to November - January: 98.1
Total adjustment: 99.6
- S189 US-54, 0.3 miles north of IH-10, El Paso, urban
Monday - Thursday to Monday - Friday: 101.9
September - May to November - January: 98.0
Total adjustment: 99.9

The rural and urban travel model AWT was adjusted using 101.8 and 99.8, respectively, calculated by taking the average of the rural and urban adjustment factors for the Winter Season.

Summer Seasonal Adjustment Factor Computations

The travel models are assumed to simulate AWT for a typical school year (September through May) and weekday (Monday through Thursday). For purposes of estimating a typical O3 season (June through August) weekday (Monday through Friday) AWT, the Monday through Thursday AWT from the travel model was adjusted in two steps. The first step was to adjust Monday through Thursday travel to represent Monday through Friday travel by multiplying by the ratio of Monday through Thursday AAWT to Monday through Friday AAWT for the September through May time period. The second step was to adjust the September through May, Monday through Friday AAWT to June through August, Monday through Friday AAWT. The two adjustment factors were then multiplied to provide the total adjustment factor. Data from the ATR stations were used to calculate the adjustment factors.

The locations and adjustment factors are:

- S070 FM-258, 2.3 miles west of FM-1110, Ysleta, rural
Monday - Thursday to Monday - Friday: 102.3
September - May to June - August: 103.3
Total adjustment: 105.7
- S123 IH-10, 1.2 miles south of Loop 375, El Paso boundary, rural
Monday - Thursday to Monday - Friday: 102.6
September - May to June - August: 105.0

Total adjustment: 108.3
 S162 IH-10, 0.6 miles west of US-54, El Paso, urban
 Monday - Thursday to Monday - Friday: 101.5
 September - May to June - August: 99.7
 Total adjustment: 101.2
 S189 US-54, 0.3 miles north of IH-10, El Paso, urban
 Monday - Thursday to Monday - Friday: 101.9
 September - May to June - August: 100.6
 Total adjustment: 102.5

The rural and urban travel model AWT was adjusted using 107.0 and 101.9, respectively, calculated by taking the average of the rural and urban adjustment factors for the Summer Season.

TIME-OF-DAY TRAVEL FACTORS

The 1990 household travel survey data for three study areas (San Antonio, Amarillo, and Brownsville) were processed to develop the estimated portions of travel by time of day. Table 4 summarizes the results obtained from the three studies and the averages used in the conformity analyses. These average percentages are applied to the seasonally adjusted volumes and VMT to estimate the volumes and VMT for each of the four time periods.

TABLE 4
Portions of Travel by Time Periods
(in percentages)

TIME	SAN ANTONIO	AMARILLO	BROWNSVILLE	AVERAGE
7:15 am to 8:15 am	10.88	10.84	10.34	10.69
8:15 am to 4:45 pm	48.13	51.17	51.71	50.33
4:45 pm to 5:45 pm	10.34	10.78	9.41	10.18
5:45 pm to 7:15 am	30.66	27.21	28.54	28.80
TOTALS	100.00	100.00	100.00	100.00
Number of Vehicle Trips in the Sample	15,466	20,844	9,567	-

TIME-OF-DAY DIRECTIONAL SPLIT ESTIMATES

The 24-hour link assignment volumes are nondirectional volumes (i.e., the sum of the volumes in the two directions on a link). The seasonal adjustment factor and time-of-day travel factor are applied to estimate the seasonally adjusted time-of-day volume on a link. PREPIN provides for the application of directional splits to estimate the portion of the travel expected to occur in each direction. These directional volume estimates are used to estimate the directional speeds. PREPIN outputs two link records for a link: (1) link record containing the estimated VMT and (2) speed in the peak (or dominant) direction and a link record containing the estimated VMT and speed in the off-peak (or opposite) direction. This allows IMPSUM to apply the MOBILE5a emission factors directionally by speed.

Time-of-day directional splits for area type and facility type were provided by TxDOT's Transportation Planning and Programming Division after collaboration with TxDOT's Beaumont District and the El Paso MPO. Table 5 summarizes the morning peak directional split used in the El Paso PREPIN applications. Table 6 summarizes the directional splits used for the off-peak periods and Table 7 summarizes the directional splits used for the afternoon peak period.

TABLE 5: Morning Peak-Period Directional Split Estimates for El Paso

AREA TYPES	FUNCTIONAL CLASSIFICATIONS												
	0	1	2	4	5	6	7	8	9	A	B	C	D
	Cent. Conn.	Bordr. Hwy.	Free-way	Prin. Art. Div.	Prin. Art. Undiv.	Div. Art.	Undiv. Art.	Coll. Divided	Coll. Undiv.	Coll.-Distrb.	Front. Road	Ramp	Trans-Mtn.
1 CBD	54.0	65.0	50.0	65.0	65.0	58.0	58.0	-	-	-	50.0	50.0	-
2 CBD Fringe	87.0	60.0	50.0	60.0	60.0	59.0	59.0	63.0	63.0	50.0	50.0	50.0	-
3 Urban Resid.	85.0	62.0	60.0	62.0	62.0	58.0	58.0	53.0	53.0	60.0	60.0	60.0	-
4 Urban North	85.0	-	60.0	62.0	62.0	58.0	58.0	-	53.0	-	60.0	60.0	-
5 Suburb. (N)	76.0	-	63.0	66.5	66.5	65.0	65.0	73.8	73.8	-	63.0	63.0	-
6 Suburb. (W)	76.0	66.5	63.0	66.5	66.5	65.0	65.0	-	73.8	-	63.0	63.0	-
7 Suburb. (E)	76.0	66.5	63.0	66.5	66.5	65.0	65.0	-	73.8	-	63.0	63.0	-
8 Rural	78.0	71.0	70.0	71.0	71.0	68.0	68.0	-	75.0	-	70.0	70.0	71.0

TABLE 6: Off-Peak Directional Split Estimates for El Paso

AREA TYPES	FUNCTIONAL CLASSIFICATIONS												
	0	1	2	4	5	6	7	8	9	A	B	C	D
	Cent. Conn.	Bordr. Hwy.	Free-way	Prin. Art. Div.	Prin. Art. Undiv.	Div. Art.	Undiv. Art.	Coll. Divided	Coll. Undiv.	Coll.-Distrb.	Front. Road	Ramp	Trans-Mtn.
1 CBD	54.0	55.0	51.0	55.0	55.0	55.0	55.0	-	-	-	51.0	51.0	-
2 CBD Fringe	54.0	54.0	51.0	54.0	54.0	55.0	55.0	53.0	53.0	51.0	51.0	51.0	-
3 Urban Resid.	55.0	50.0	53.0	50.0	50.0	52.0	52.0	52.0	52.0	53.0	53.0	53.0	-
4 Urban North	55.0	-	53.0	50.0	50.0	52.0	52.0	-	52.0	-	53.0	53.0	-
5 Suburb. (N)	54.0	-	51.0	56.5	56.5	56.5	56.5	55.5	55.5	-	51.0	51.0	-
6 Suburb. (W)	54.0	56.5	51.0	56.5	56.5	56.5	56.5	-	55.5	-	51.0	51.0	-
7 Suburb. (E)	54.0	56.5	51.0	56.5	56.5	56.5	56.5	-	55.5	-	51.0	51.0	-
8 Rural	52.0	55.0	53.0	55.0	55.0	58.0	58.0	-	54.0	-	53.0	53.0	55.0

TABLE 7: Afternoon Peak-Period Directional Split Estimates for El Paso

AREA TYPES	FUNCTIONAL CLASSIFICATIONS												
	0	1	2	4	5	6	7	8	9	A	B	C	D
	Cent. Conn.	Bodr. Hwy.	Free- way	Prin. Art. Div.	Prin. Art. Undiv.	Div. Art.	Undiv. Art.	Coll. Divided	Coll. Undiv.	Coll.- Distrb.	Front. Road	Ramp	Trans- Mtn.
1 CBD	55.0	62.0	54.0	62.0	62.0	52.0	52.0	-	-	-	51.0	51.0	-
2 CBD Fringe	72.0	59.0	54.0	59.0	59.0	53.0	53.0	64.5	64.5	54.0	54.0	54.0	-
3 Urban Resid.	72.0	57.0	56.0	57.0	57.0	54.0	54.0	68.0	68.0	56.0	56.0	56.0	-
4 Urban North	72.0	-	56.0	57.0	57.0	54.0	54.0	-	68.0	-	56.0	56.0	-
5 Suburb. (N)	71.5	-	66.5	61.5	61.5	64.5	64.5	-	64.8	-	66.5	66.5	-
6 Suburb. (W)	71.5	61.5	66.5	61.5	61.5	64.5	64.5	-	64.8	-	66.5	66.5	-
7 Suburb. (E)	71.5	61.5	66.5	61.5	61.5	64.5	64.5	-	64.8	-	66.5	66.5	-
8 Rural	71.0	66.0	65.0	66.0	66.0	63.0	63.0	-	70.0	-	65.0	65.0	66.0

TIME-OF-DAY CAPACITY FACTORS

The 24-hour capacity restraint assignments are performed using nondirectional 24-hour capacities. The nondirectional capacities are included in the assignment data set which are input to PREPIN. User supplied time-of-day capacity factors are applied to the nondirectional capacity (or service volume) for the subject time period. In computing the directional V/C ratio for estimating the directional speeds, PREPIN assumes the directional split for capacity to be 50-50.

Table 8 summarizes the typical 24-hour capacities per lane used in the El Paso highway networks. Table 9 summarizes the estimated hourly capacities per lane used in developing the capacity factors. These capacities were developed to be consistent with the hourly capacities used in the Dallas-Fort Worth region for the application of their speed models. The capacity factors for a given time period are computed as follows:

$$\text{Capacity Factor} = \frac{(\text{Hourly Capacity per Lane})(\text{Length of the Time Period})}{24 \text{ hour Capacity per Lane}}$$

The length of the time period is specified in hours. Capacity factors (stratified by area type and functional classification) were computed for each of the four time periods.

FREEFLOW SPEED FACTORS

The application of the Dallas-Fort Worth speed models requires an estimate of the freeflow speed on the link. These freeflow speed estimates are computed using the 24-hour speeds input on the link data. The freeflow speed factors (stratified by area type and functional classification) are applied to the 24-hour nondirectional link speeds to estimate the freeflow speed. The freeflow speed is assumed to be the same in each direction.

Table 10 summarizes the typical 24-hour speeds used in the 1993 El Paso highway network. Table 11 summarizes the typical freeflow speed estimates used in estimating the freeflow speed factors. These freeflow speed estimates were developed to be consistent with those used in the 1993 El Paso emission inventories. The freeflow speed factor for a given functional class and area type is computed by simply dividing the freeflow speed by the 24-hour speed. These user-estimated factors are input to PREPIN using SPDFAC records.

TABLE 8: Typical 24-Hour Capacities per Lane for the El Paso Network

AREA TYPES	FUNCTIONAL CLASSIFICATIONS												
	0	1	2	4	5	6	7	8	9	A	B	C	D
	Cent. Conn.	Bordr. Hwy.	Free-way	Prin. Art. Div.	Prin. Art. Undiv.	Div. Art.	Undiv. Art.	Coll. Divided	Coll. Undiv.	Coll.-Distrb.	Front. Road	Ramp	Trans-Mtn.
1 CBD	-	9,500	17,250	8,350	7,550	7,250	6,600	6,200	5,700	5,700	6,750	18,000	-
2 CBD Fringe	-	8,500	19,550	7,500	6,800	6,500	5,950	5,550	5,100	5,100	6,750	18,000	-
3 Urban Resid.	-	8,500	19,550	7,100	6,400	5,500	5,050	4,650	4,300	4,300	6,750	18,000	-
4 Urban North	-	8,500	19,550	7,100	6,400	5,500	5,050	4,650	4,300	4,300	6,750	18,000	-
5 Suburb. (N)	-	7,500	11,750	6,250	5,600	4,050	3,750	3,350	3,150	3,150	3,750	18,000	-
6 Suburb. (W)	-	7,500	11,750	6,250	5,600	4,050	3,750	3,350	3,150	3,150	3,750	18,000	-
7 Suburb. (E)	-	7,500	11,750	6,250	5,600	4,050	3,750	3,350	3,150	3,150	3,750	18,000	-
8 Rural	-	6,000	7,600	4,400	3,900	2,550	2,400	1,800	1,700	1,700	2,750	18,000	12,000

TABLE 9: Estimated Typical Hourly Capacities per Lane for El Paso Network

AREA TYPES	FUNCTIONAL CLASSIFICATIONS												
	0	1	2	4	5	6	7	8	9	A	B	C	D
	Cent. Conn.	Bordr. Hwy.	Free-way	Prin. Art. Div.	Prin. Art. Undiv.	Div. Art.	Undiv. Art.	Coll. Divided	Coll. Undiv.	Coll.-Distrb.	Front. Road	Ramp	Trans-Mtn.
1 CBD	-	825	1,800	550	500	550	500	450	400	400	550	1,100	-
2 CBD Fringe	-	900	1,850	600	550	600	550	475	425	425	600	1,200	-
3 Urban Resid.	-	975	1,875	650	600	625	575	500	450	450	625	1,250	-
4 Urban North	-	975	1,875	650	600	625	575	500	450	450	625	1,250	-
5 Suburb. (N)	-	1,088	1,950	725	675	700	625	550	500	500	700	1,400	-
6 Suburb. (W)	-	1,088	1,950	725	675	700	625	550	500	500	700	1,400	-
7 Suburb. (E)	-	1,088	1,950	725	675	700	625	550	500	500	700	1,400	-
8 Rural	-	1,200	2,000	800	725	750	675	575	525	525	750	1,500	2,000

TABLE 10: Average 24-Hour Speeds for the El Paso Network

AREA TYPES	FUNCTIONAL CLASSIFICATIONS												
	0	1	2	4	5	6	7	8	9	A	B	C	D
	Cent. Conn.	Bordr. Hwy.	Free-way	Prin. Art. Div.	Prin. Art. Undiv.	Div. Art.	Undiv. Art.	Coll. Divided	Coll. Undiv.	Coll.-Distrb.	Front. Road	Ramp	Trans-Mtn.
1 CBD	15.0	13.0	35.6	11.7	12.1	10.9	12.0	-	-	-	17.5	20.0	-
2 CBD Fringe	25.0	29.1	34.0	24.4	23.4	18.7	19.0	17.6	18.3	20.0	20.6	18.7	-
3 Urban Resid.	26.0	34.8	34.1	29.0	29.0	25.7	24.8	18.3	21.4	22.5	24.4	20.6	-
4 Urban North	29.0	-	34.0	30.0	30.0	28.0	25.1	-	19.9	-	24.0	22.8	-
5 Suburb. (N)	35.0	-	42.3	30.4	30.4	27.1	29.9	30.0	28.7	-	37.6	32.5	-
6 Suburb. (W)	35.0	37.0	42.8	32.5	32.5	30.5	30.2	-	28.9	-	35.5	35.0	-
7 Suburb. (E)	33.0	35.4	42.9	31.0	31.0	30.8	29.5	-	31.5	-	31.4	27.1	-
8 Rural	40.0	37.0	47.7	42.8	42.8	36.3	38.6	-	39.0	-	36.8	34.6	20.0

TABLE 11: Estimated Typical Freeflow Speeds for the El Paso Network

AREA TYPES	FUNCTIONAL CLASSIFICATIONS												
	0	1	2	4	5	6	7	8	9	A	B	C	D
	Cent. Conn.	Bordr. Hwy.	Free-way	Prin. Art. Div.	Prin. Art. Undiv.	Div. Art.	Undiv. Art.	Coll. Divided	Coll. Undiv.	Coll.-Distrb.	Front. Road	Ramp	Trans-Mtn.
1 CBD	15.0	50.0	55.0	11.9	11.9	11.9	11.9	-	-	-	11.9	16.9	-
2 CBD Fringe	25.0	50.0	55.0	25.4	25.4	20.0	20.0	19.4	19.4	25.4	25.4	30.4	-
3 Urban Resid.	26.0	51.0	57.0	32.7	32.7	27.5	27.5	24.1	24.1	32.7	32.7	37.7	-
4 Urban North	29.0	-	57.0	32.7	32.7	27.5	27.5	24.1	24.1	-	32.7	37.7	-
5 Suburb. (N)	35.0	-	57.0	36.4	36.4	31.3	31.3	30.0	30.0	-	36.4	41.4	-
6 Suburb. (W)	35.0	52.0	57.0	36.4	36.4	31.3	31.3	-	30.0	-	36.4	41.4	-
7 Suburb. (E)	33.0	52.0	57.0	36.4	36.4	31.3	31.3	-	30.0	-	36.4	41.4	-
8 Rural	40.0	60.0	68.0	60.0	60.0	55.0	55.0	50.0	50.0	-	60.0	64.0	60.0

SPEED MODEL PARAMETERS

In the Dallas-Fort Worth speed model implemented in PREPIN, the directional delay (in minutes per mile) due to congestion is computed using a volume-delay equation. The following is the general form of the volume-delay equation used in the model:

$$Delay = Min [A e^{B(\frac{V}{C})}, M]$$

Where:

Delay	=	Congestion delay (in minutes/mile)
A & B	=	Volume-Delay Equation Coefficients (input via DELAY records into the PREPIN program)
M	=	Maximum minutes of delay per mile, read from the DELAY cards
V/C	=	Time-of-day directional V/C ratio

Two sets of coefficients and constraints were developed by the NCTCOG for the D-FW model: one for high-capacity facilities and one for low-capacity facilities. High-capacity facilities (usually freeways) are defined as those having a capacity exceeding 3,400 vehicles per hour (one way). The volume-delay equation parameters which were developed by the NCTCOG in late 1992 for use in the D-FW air quality analyses are presented in Table III-9.

**TABLE 12:
Volume-Delay Equation Parameters**

Parameters	Parameter Values	
	High-capacity Facilities	Low-capacity Facilities
A	0.015	0.050
B	3.5	3.0
M	5.0	10.0

Because the functional classification codes used in the link data may vary from study area to study area, PREPIN requires that the user specify the desired delay equation parameters by

county and functional classification. For the El Paso conformity applications, the high-capacity facilities parameter values in Table 12 were used for functional classifications 1, 2, and 13 (i.e., the Border Highway, Freeways, and the Trans-Mountain Highway). The low-capacity facilities parameter values in Table 12 were used for all other functional classifications. The speed models are not applied to centroid connectors. Because centroid connectors represent local streets which generally are relatively uncongested, it is assumed the 24-hour speed is representative of both the peak and off-peak speeds on these facilities.

Given the estimated directional delay (in minutes/mile) and the estimated freeflow speed, the directional congested speed is computed as follows:

$$\text{Congested speed} = \frac{60}{\frac{60}{\text{Freeflow speed}} + \text{Delay}}$$

These congested directional speed estimates for each link are included in the link records produced by PREPIN for subsequent input to IMPSUM to estimate the mobile emissions for the traffic moving at this estimated speed.

OTHER DATA INPUTS

The remaining data inputs to the PREPIN program are:

The 24-Hour Assignment Data Set: This is the network data set produced by the Texas Assignment Package which contains the capacity restraint assignment results. The PREPIN program uses this data set to obtain the following information for each link: the link's III-node and B-node numbers, the link's functional classification link distance, the input link data speed, and the final nondirectional capacity restrained assignment volume.

The Assignment Trip Table: This is the packed 24-hour assignment trip table data set used to produce the subject assignment. PREPIN uses this data set to obtain the 24-hour intrazonal trips for each zone.

The Zonal Radii Data: These data are the zonal radii estimates used as input to the trip distribution model applications for the El Paso area. These zonal radii estimates are used by PREPIN to estimate the average trip length of intrazonal trips.

These data sets were developed by TxDOT for use in the El Paso conformity analyses.



IV. ESTIMATION OF EMISSION RATES USING MOBILE5a

The MOBILE5a program was used to compute the mobile source emission rates (or factors) for the El Paso Conformity Analyses. MOBILE5a was used directly to compute 24-hour diurnal emission rates. MOBILE5a was applied using the POLFAC5A program to estimate the emission factors by speed for each of the four time-of-day time periods (i.e., AM Peak Hour, Midday, PM Peak Hour, and Overnight).

POLFAC5A is one of a series of programs developed by the Texas Transportation Institute to facilitate the computation of mobile source emissions. POLFAC5A is used to apply MOBILE5a to obtain emission factors. The emission factors are obtained for eight vehicle types and 63 speeds (i.e., 3 mph through 65 mph) for each vehicle type. Hence, there are 504 factors (i.e., $8 \times 63 = 504$) for each pollution type for each county. Three pollution types are computed: VOC, CO, and NOx. Hence, for each county there are 1,512 emission factors. These emission factors are output to an ASCII file for subsequent input to either IMPSUM or COADJ. For El Paso, POLFAC5A was applied for each of the four time-of-day time periods for a given year and season. The emission factors from POLFAC5A are applied using IMPSUM to estimate emissions.

ESTIMATION OF TEMPERATURES BY TIME-OF-DAY

Texas Natural Resource Conservation Commission (TNRCC) provided the 24-hour temperature ranges for El Paso for both the summer and winter seasons as presented in Table 13.

TABLE 13
Temperature Ranges

Season	Low	High	Ambient
Summer Ozone	66	97	86.7
Winter CO	26	63	50.7

In addition, the TNRCC provided eight sets of hourly temperature data from El Paso for use in developing time-of-day time period temperature estimates. Four were used to estimate the summer temperature variations by time of day, and four were used to estimate the winter. For each season, the average temperature for each of the 24 one-hour periods was computed using these data; and the average observed temperatures for each of the four time periods was computed. They are summarized in Table 14. The high and low temperatures in the observed data are different from those specified in Table 13. To use these observed data to estimate the average

temperatures for the four time periods for the temperature ranges in Table 13, the value of P in the following formula was computed for each time period:

$$T_i = T_{low} + P_i(T_{high} - T_{low})$$

Where:

T_i	=	Temperature for time period i
T_{low}	=	Low temperature
T_{high}	=	High temperature
P_i	=	P factor for time period i

The P factors for each time period are also summarized in Table 14.

The estimated temperatures for each time period were computed using the high and low temperatures provided by TNRCC (see Table 13), and the P factors were developed using the observed data (see Table 14). The resulting estimated average temperatures for each of the four time periods are shown in Table 15.

Diurnal rates were computed using a separate application of MOBILE5a. Each application of MOBILE5a requires three temperature inputs: the low temperature, the high temperature, and the ambient temperature. To avoid computing diurnals for the four time periods, the same temperature was input for the low, the high, and the ambient temperatures. Table 16 lists the temperature inputs for each of the four time periods and the 24-hour diurnal applications for El Paso.

TABLE 14
Observed Temperature Data Provided by TNRCC

	Summer		Winter	
	Average Observed Temp	P Factor	Average Observed Temp	P Factor
LOW Observed Avg. Temp	76.0	-	49.0	-
Time Period 1 (AM Peak)	85.4	0.3378	57.4	0.2597
Time Period 2 (Midday)	99.9	0.8610	76.1	0.8396
Time Period 3 (PM Peak)	101.0	0.9084	74.8	0.7984
Time Period 4 (Overnight)	82.8	0.2459	56.6	0.2352
HIGH Observed Avg Temp	104.0	-	81.3	-

TABLE 15
Estimated Time-of-Day Average Temperatures for Conformity Analyses

	Summer		Winter	
	Estimated Temp	P Factor	Estimated Temp	P Factor
LOW Temp Estimate	66.0	-	26.0	-
Time Period 1 (AM Peak)	76.5	0.3378	35.6	0.2597
Time Period 2 (Midday)	92.7	0.8610	57.1	0.8396
Time Period 3 (PM Peak)	94.2	0.9084	55.5	0.7984
Time Period 4 (Overnight)	73.6	0.2459	34.7	0.2352
HIGH Temp Estimate	97.0	-	63.0	-

TABLE 16
MOBILE5a Temperature Inputs Used for El Paso Conformity Applications

	MOBILE5a Temperature Inputs		
	Low	High	Ambient
Summer: Time Period 1 (AM Peak)	76.5	76.5	76.5
Summer: Time Period 2 (Midday)	92.7	92.7	92.7
Summer: Time Period 3 (PM Peak)	94.2	94.2	94.2
Summer: Time Period 4 (Overnight)	73.6	73.6	73.6
Summer: 24-Hour Diurnal Application	66.0	97.0	86.7
Winter: Time Period 1 (AM Peak)	35.6	35.6	35.6
Winter: Time Period 2 (Midday)	57.1	57.1	57.1
Winter: Time Period 3 (PM Peak)	55.5	55.5	55.5
Winter: Time Period 4 (Overnight)	34.7	34.7	34.7

MOBILE5a SET-UPS

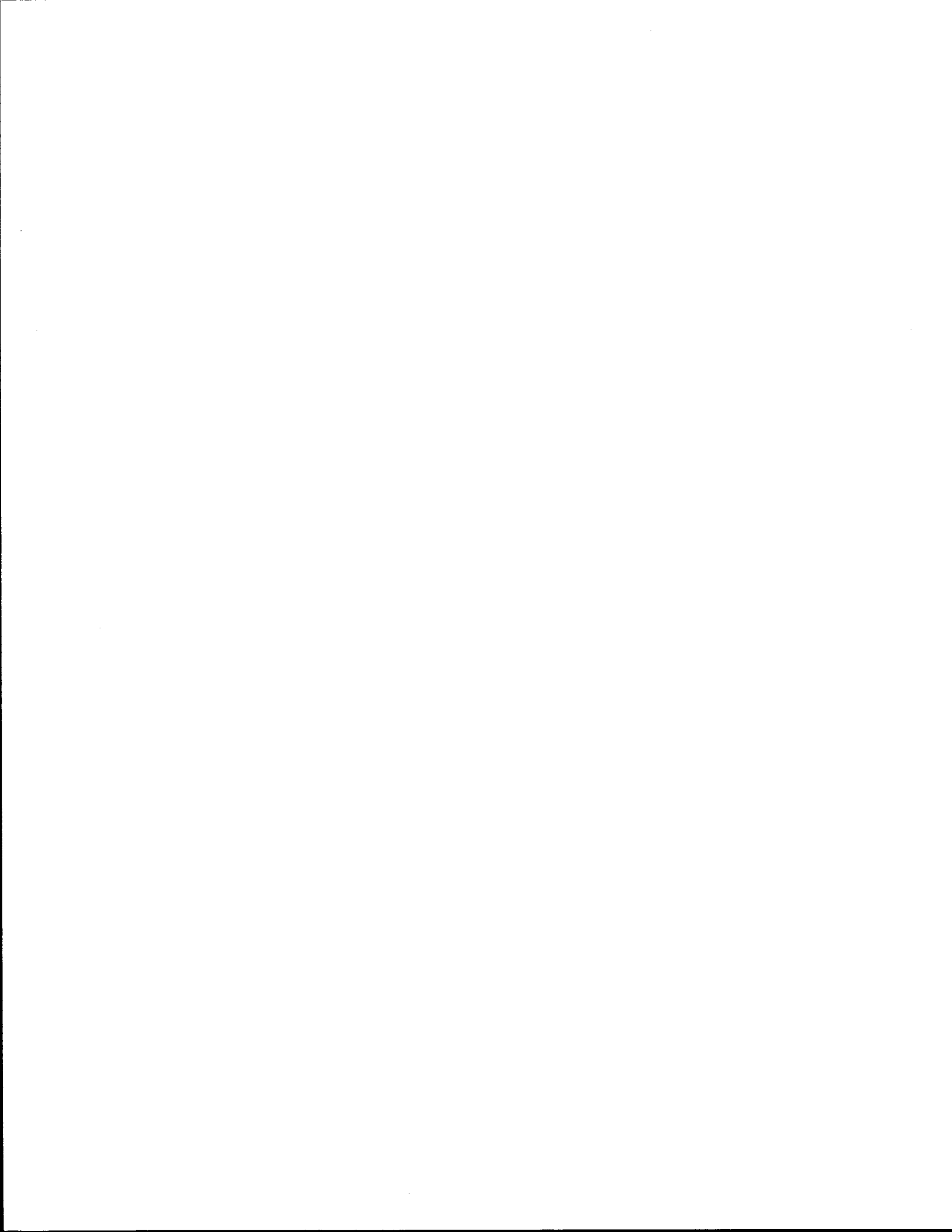
The MOBILE5a set-ups for the conformity analyses are provided in Appendix A. MOBILE5a set-ups are presented for the following:

- Summer 1996
- Summer 1996 Diurnals
- Winter 1996 (December 1995)
- Summer 1999
- Summer 1999 Diurnals
- Winter 1999 (December 1998)
- Summer 2005
- Summer 2005 Diurnals
- Winter 2005
- Summer 2015
- Summer 2015 Diurnals
- Winter 2015

Each period (e.g., Summer 1996) includes a total of four MOBILE5a set-ups. The four set-ups cover the four time periods (i.e., time periods 1 through 4). The MOBILE5a set-ups for Summer 1996, Summer 1999, Summer 2005, and Summer 2015 diurnals are also presented. Thus, a total of 36 MOBILE5a set-ups are presented.

EMISSION RATES

The emission rates are presented in Appendix B. The 24-hour diurnal emission rates for a given application (i.e., a given year and season) are stratified only by vehicle type. The emission factors used in computing the emissions produced on individual links in the highway network for a given application are presented by the four time-of-day time periods, the eight vehicle types, and by 63 speeds (i.e., 3 mph through 65 mph).



V. EMISSION ESTIMATES

The emission estimates are computed using the emission rates discussed in the preceding chapter. The time-of-day emission estimates are developed using the time-of-day emission rates (discussed in Chapter IV) and the time-of-day VMT and speed estimates (discussed in Chapter III). The 24-hour emission estimates are prepared by computing the 24-hour diurnal estimates and combining the diurnal estimates with the results from each of the four time-of-day time periods. The following provides a more detailed discussion of the method used to estimate the time-of-day emissions and the method used to develop the 24-hour emission estimates. Also included is a brief summary of the build versus no-build results for the El Paso FY-94 TIP and TCM analyses procedures.

ESTIMATION OF TIME-OF-DAY EMISSIONS

For a given year and season, the mobile source emissions for each of the four time-of-day time periods were computed using the IMPSUM program. IMPSUM is one of a series of programs developed by TTI to facilitate the computation of emissions. IMPSUM uses emission factors obtained from POLFAC5A, the user-estimated VMT mixes, and the VMT/speed estimates to compute the emissions by county.

The basic inputs for the conformity applications of IMPSUM for El Paso were:

1. Data specifying the number of counties in the region and their names (i.e., one county named El Paso).
2. Names of the road types used in the study. These road types are used to summarize the emission results. The roadway types used in the conformity analyses are the functional classifications used in the networks.
3. VMT mix by county used in the MOBILE5a set-ups.
4. Emission factors from POLFAC5A by county.
5. Specification of the units for reporting emissions (grams, pounds, or tons).
6. Link records providing the estimated VMT and speeds. For each link record, the following information must be provided: county number, road type number, VMT estimate, operational speed estimate, and center line miles. These data were prepared using PREPIN.

As stated previously, the emission rates produced using MOBILE5a are stratified by eight vehicle types. Hence, to apply the emission rates, VMT for a link record are disaggregated by the eight vehicle types applying the user-supplied VMT mixes. The software was designed to allow the user to input the VMT mix data by county and by roadway type within a county. IMPSUM uses these data to disaggregate the VMT for each link by the eight vehicle types based on the user-supplied estimate of the VMT mix for that link's county and roadway type.

The emission estimates are computed for each link by multiplying the appropriate emission factors corresponding to the link's roadway type and the link's estimated speed. For non-integer speed estimates, the emission factors are computed by interpolating between the emission factors for the integer speeds on either side of the subject speed. The interpolation is performed using the reciprocals of the corresponding speeds rather than the speeds themselves. The emission results are accumulated for each county by vehicle type and roadway type.

ESTIMATION OF 24-HOUR EMISSIONS

For El Paso applications, PREPIN, POLFAC5A, and IMPSUM were applied to estimate the mobile source emissions for each of the four time-of-day time periods for each scenario. The four time-of-day estimates must be combined with the diurnal estimates to obtain the 24-hour emission estimates. SUMALL was used to compute the 24-hour emission estimates for El Paso.

SUMALL is designed to sum the results from two or more IMPSUM applications (i.e., the time-of-day applications). SUMALL also provides the option of calculating the 24-hour diurnal emission estimates. The diurnal estimates are combined with the time-of-day estimates (which exclude diurnals) to obtain the 24-hour emission estimates. The 24-hour tabular summaries produced by SUMALL are essentially the same as those produced for the individual time-of-day time periods by IMPSUM.

As previously noted, MOBILE5a is not structured to compute diurnal emissions for less than a 24-hour time period; therefore, a separate run of MOBILE5a was made to calculate the diurnal emissions for each application year and summer season. Diurnal emissions are produced by LDGV, LDGT1, LDGT, HDGV, and MC vehicle types. Diesel vehicle types do not produce diurnal emissions. Multiple diurnal emissions are produced by LDGV, LDGT1, LDGT2, and HDGV. According to Terry Newell, U.S. EPA Motor Vehicle Laboratory, 12.26 percent of LDGV, LDGT1, and LDGT2 vehicle types and 23.1 percent of HDGV vehicles undergo multiple diurnals. These percentages were applied to the total number of vehicles by vehicle type to calculate the number of vehicles of multiple diurnals as shown in Table 17.

TABLE 17
El Paso County Number of Vehicles by Vehicle Type and
Number of Vehicles Subject to Multiple Diurnals 1996, 1999, 2005, and 2015

Vehicle Type	Total 1996	Multiple Diurnals 1996	Total 1999	Multiple Diurnals 1999	Total 2005	Multiple Diurnals 2005	Total 2015	Multiple Diurnals 2015
LDGV	295,825	36,268	312,264	38,284	342,761	42,022	388,561	47,638
LDGT1	87,312	10,704	92,164	11,299	101,165	12,403	114,683	14,060
LDGT2	5,980	733	6,313	774	6,929	849	7,855	963
HdGV	3,588	829	3,788	875	4,157	960	4,713	1,089
LDDV	797	0	842	0	924	0	1,047	0
LDDT	399	0	421	0	462	0	524	0
HDDV	1,196	0	1,263	0	1,386	0	1,571	0
MC	3,588	0	3,788	0	4,157	0	4,713	0

Note: Diurnal emission rates (grams per gasoline vehicle) are calculated separately for the 24-hour period

- a. TEMFLG = 1
- b. HCFLAG = 3
- c. OUTFMT = 3 (print evaporative emission rates by component)
- d. Speed = 19.6

BUILD VERSUS NO-BUILD RESULTS FOR THE FY-94 TIP

An important part of the conformity analysis of the El Paso FY-94 TIP is the comparison of the build versus no-build emission estimates. The build versus no-build emission estimates are conducted using network based emissions.

Table 18 is a summary of data used for input to the trip generation step of the travel demand modeling process. (TTI does not have the data to update this table to include 2005 and 2015.) Table 19 is a summary of the VMT and associated VOC and NOx emissions for the network-based summer season emissions. Table 20 is a summary of the VMT and associated VOC and NOx emissions for the adjusted summer season emissions. Table 21 is a summary of the VMT and associated VOC and NOx emissions for the network-based winter season emissions. Table 22 is a summary of the VMT and associated VOC and NOx emissions for the spreadsheet-based summer season emissions.

TABLE 18
Trip Generation Statistical Data

	1995	1996 Assigned	1999 Assigned
POPULATION	689,588	714599	766083
DWELLING UNITS	220,196	288181	243114
VEHICLES	349,621	362506	387312
VEHICLES/ CAPITA	.507	0.507	0.506

Note: 2005 and 2015 data unavailable to TTI during time of report.

TABLE 19
Network-Based Emission Data
Ozone Season (Summer)
Four Time Periods

	Total Vehicle Miles of Travel (Including Intrazonals)	Emissions in Tons per Day VOC	Emissions in Tons per Day CO	Emissions in Tons per Day NOx
90-90-1 Base Year	11,013,319	37.60	327.10	36.60
96-93-1 Milestone TIP no-build	13,166,859	24.46	208.52	37.96
96-96-1 Milestone TIP build	13,135,699	24.30	207.09	37.91
99-93-1 Attainment Plan no-build	14,432,211	22.33	177.15	35.21
99-99-1 Attainment Plan build	14,339,755	21.94	173.83	35.05
05-93-1 Mid-Range Plan no-build	16,752,907	16.41	115.41	27.05
05-05-1 Mid-Range Plan build	16,486,242	15.51	107.94	26.67
15-93-1 Plan no-build	20,819,705	13.53	92.64	23.62
15-15-1 Plan build	20,154,982	12.06	80.33	23.01

Sources: Networks and Traffic Assignments, TxDOT, October 25, 1994.
VMT, Emission Factors and Emission Estimates, TTI, October 25, 1994.

TABLE 20
Adjusted Emission Data
Ozone Season (Summer)
Four Time Periods

	Total Vehicle Miles of Travel (Including Intrazonals)	Emissions in Tons per Day VOC	Emissions in Tons per Day CO	Emissions in Tons per Day NO _x
90-90-1 Base Year	11,013,319	37.60	327.10	36.60
96-93-1 Milestone TIP no-build	13,166,859	20.66	208.52	37.25
96-96-1 Milestone TIP build	13,135,699	20.50	207.09	37.20
99-93-1 Attainment Plan no-build	14,432,211	21.01	177.15	35.21
99-99-1 Attainment Plan build	14,339,755	20.62	173.83	35.05
05-93-1 Mid-Range Plan no-build	16,752,907	16.41	115.41	27.05
05-05-1 Mid-Range Plan build	16,486,242	15.51	107.94	26.67
15-93-1 Plan no-build	20,819,705	13.53	92.64	23.62
15-15-1 Plan build	20,154,982	12.06	80.33	23.01

Sources: Table 19 with the 1996 and 1996 VOC emission credits applied and the 1996 NO_x emission credits applied.

TABLE 21
Network-Based Emission Data
CO Season (Winter)
Four Time Periods

	Total Vehicle Miles of Travel (Including Intrazonals)	Emissions in Tons per Day CO
90-90-1 Base Year	10,762,423	369.03
95-93-1 Milestone TIP No-build	12,520,593	305.65
95-95-1 Milestone TIP build	12,490,962	303.71
98-93-1 Attainment Plan no-build	13,708,694	272.09
98-98-1 Attainment Plan build	13,620,874	267.30
05-93-1 Mid-Range Plan no-build	16,371,257	199.15
05-05-1 Mid-Range Plan build	16,110,666	186.50
15-93-1 Plan no-build	20,345,409	162.75
15-15-1 Plan build	19,695,829	141.58

Sources:

Networks and Traffic Assignments, TxDOT, October 25, 1994.
VMT, Emission Factors and Emission Estimates, TTI, October 25, 1994.
El Paso 1990 Winter Season Mobile Source Emissions (MOBILE5a), TTI, November 14, 1994 (used to obtain the 1990 base year CO estimate).

Spreadsheet-Based Emissions

The network-based models used to calculate the emission estimates shown in Table 19 were developed using a procedure that disaggregates the forecast 24-hour link volumes into four time periods and then further divides the two-way link volumes by direction. Link speeds were then estimated by direction based on the one-way volumes and one-way capacities. Link emissions were estimated by direction by time period and then summed for all time periods. For the El Paso network, with about 4,400 links, this is about 35,000 separate emission calculations.

The 1990 MSEI and the 1996 MSEB were developed using procedures that first disaggregated HPMS-based VMT estimates by functional classification, by area type and by five time periods. Speed estimates were calculated for each cell (functional classification by area type, by time period) and the resulting time-period speeds were then weighted by VMT to estimate an average 24-hour speed for each cell (functional classification by area type). Emissions were then estimated for each cell using the cell speed and VMT for that cell. For El Paso this was a total of 30 cells or 30 emission calculations. These procedures are referred to as the spreadsheet model.

The link-based model and the spreadsheet model were expected to produce somewhat different results and the prediction was correct.

TTI developed and applied procedures similar to those used to develop the 1990 MSEI and 1996 MSEB with one difference, to the 1996 build and no-build networks. Because 1993 and 1996 HPMS-based lane miles, center line miles, and VMT are not available, corresponding estimates were taken from the 1993 and 1996 travel model networks. These networks were disaggregated by facility type, by area type, and by the same five time periods used to develop the 1990 MSEI and 1996 MSEB. The 1996 traffic assignment was disaggregated in the same manner. The disaggregated 1996 traffic (VMT) was then applied to the 1993 disaggregated network capacity (no-build) and 1996 disaggregated network capacity (build) to develop speeds by time period. The speeds by time period were weighted by VMT to estimate an average 24-hour speed for each cell (facility type by area type). Emissions were then calculated for each cell using the cell speed and VMT. The cell emissions were summed to estimate the no-build and build emissions. The results are shown below.

The spreadsheet procedure produce lower estimates of VOC and lower estimates of NO_x for both the 1996 no-build and build alternatives. The 1996 spreadsheet no-build VOC emissions were 6.21 percent less, and the build VOC emissions were 6.05 percent less than the network-based emissions. The 1996 spreadsheet no-build NO_x emissions were 9.40 percent less, and the build NO_x emissions were 9.34 percent less than the network-based emissions.

TABLE 22
Spreadsheet-Based Emission Data
 Ozone Season (Summer)
 Five Time Periods

	Total Vehicle Miles of Travel (Including Intrazonals)	Emissions in Tons per Day VOC	Emissions in Tons per Day CO	Emissions in Tons per Day NOx
90-90-1 Base Year	11,013,319	37.60	327.10	36.60
96-93-1 Milestone TIP no-build	13,165,544	22.94	208.52	34.39
96-96-1 Milestone TIP build	13,134,387	22.83	207.09	34.37
99-93-1 Attainment Plan no-build	14,438,823	23.67	177.15	38.07
99-99-1 Attainment Plan build	14,338,321	22.36	173.83	37.97

Sources: Network and Traffic Assignments, TxDOT, October 25, 1994.
 Spreadsheets, VMT, Emission Factors and Emission Estimates, TTI, November 15, 1994.

Interpretation of Ozone Season Results

Transportation ozone conformity requires that the build alternative meet three tests:

1. The build alternative must produce less emissions than the no-build alternative for each analysis year.
2. The build alternative must produce less emissions than the 1990 MSEI for VOC, CO, and NOx.
3. The 1996 and subsequent build alternatives must produce less VOC emissions than the 1996 VOC MSEB.

The network-based emission estimates are considered to be more accurate than the spreadsheet-based emission estimates. However, the spreadsheet-based estimates are more similar to the procedures used to estimate the 1990 MSEI and 1996 MSEB than are the network-based procedures; and, therefore, the spreadsheet-based procedures will produce more comparable results. In prior years, the network-based procedures were used for conformity analysis. As is evident from Table 19, the build alternatives produce lower VOC and NOx emissions than do the no-build alternatives for all modeled years. Prior to this year, this test was sufficient for a positive conformity determination.

For 1996, the network-based emissions with the adjustments applied come in just below the 1996 MSEB for VOC (20.59 tpd budget versus 20.50 tpd adjusted network-based VOC emissions). For 1996, the network-based procedures with the adjustments applied exceed the 1990 MSEI for NOx emissions (36.60 tpd inventory versus 37.20 tpd adjusted network-based emissions). The network-based procedures meet the build/no-build test and the 1996 VOC MSEB test but fail the NOx test.

By using the spreadsheet-based procedures and applying the appropriate VOC adjustments for 1996, the 1996 build VOC estimates are less than the 1996 VOC MSEB (19.03 tpd VOC versus 20.59 tpd VOC). Further, the 1996 build NOx emissions are less than the 1990 NOx MSEI (33.68 tpd NOx versus 36.30 tpd NOx). However, the 1999 build NOx emissions exceed the 1990 NOx emissions.

Using the spreadsheet-based procedures, the 1996 build network meets all three conformity tests.

Interpretation of CO Season Results

Transportation CO conformity requires that the build alternative meet two tests:

1. The build alternative must produce less emissions than the no-build alternative for each analysis year.
2. The build alternative must produce less emissions than the 1990 MSEI for CO.

As shown in Table 20, the build alternatives meet these two tests for all analysis years.

PM-10 Emissions

Table 23 is a summary of the VMT and PM-10 emissions. (TTI does not have the information to provide a description of the methodology used to develop this table.)

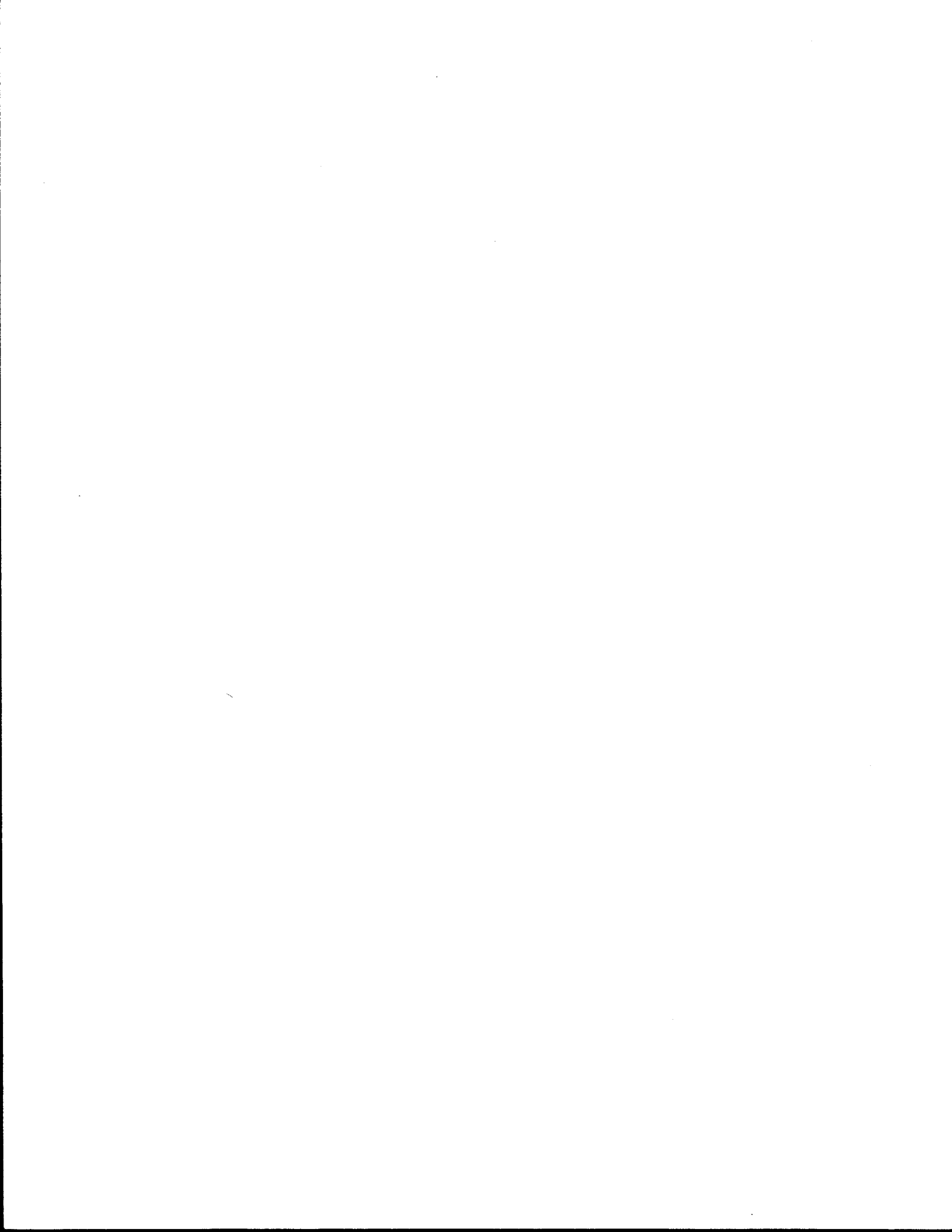
TABLE 23
PM-10 Emission Rates

Year	Emission Rate	VMT	Total Emissions
1990	0.216	11,013,319	2,378,877
1996	0.136	13,134,387	1,786,277
1999	0.118	14,338,321	1,691,922
2005	0.096	16,484,593	1,582,521
2015	0.086	20,152,967	1,733,155

Sources: Emission Rates, TNRCC.
VMT, TTI (HPMS Projections).

TCM Analysis

The TCM analyses procedures are shown in Appendix D. The TCM analyses were based on analytical procedures developed by TxDOT and the El Paso MPO. The assumptions and data are referenced in the analyses procedures. The work was performed to assist the El Paso MPO staff in estimating 1996 TCM mobile source emission benefits. All emission rates correspond to 1996 El Paso conditions. Speeds or other project parameters reflect estimated changes in traffic characteristics between the build and no-build conditions. A summary sheet at the beginning of Appendix D precedes the individual project analysis sheets.



APPENDIX A

MOBILE5a SET-UPS

APPENDIX A
MOBILE5a SET-UPS

Provided in the Appendix are the MOBILE5a set-ups for the conformity analyses. The MOBILE5a set-ups are presented in the following order:

- Summer 1996
- Summer1996 Diurnals
- Winter 1996 (December 1995)
- Summer 1999
- Summer 1999 Diurnals
- Winter 1999 (December 1998)
- Summer 2005
- Summer 2005 Diurnals
- Winter 2005
- Summer 2015
- Summer 2015 Diurnals
- Winter 2015

**Summer 1996 El Paso County MOBILE5a Set-up
for Time Period 1**

1	PROMPT	
1	El Paso, TM1	- 1996 proj Control (1996-Includes I/M and 71-20 ATP)with CAA
1	TAMFLG	- Default: Tampering Rates
1	SPDFLG	- User Input: one speed for all vehicle types
3	VMFLAG	- User input: single VMT mix for all scenario
3	MYMFRG	- Default: AMAR, User input: Reg. Distributions
1	NEWFLG	- Default Basic ehaust rates,new fmvcp, new evap. tst
5	IMFLAG	- Uses two I/M programs and I/M prog for CAAA STD
1	ALHFLG	- No additional correction factors
8	ATPFLG	- ATP AND PRESSURE AND PURGE TEST
5	RLFLAG	- Zero-out refueling emissions
2	LOCFLG	- User input: one LAP record for all scenarios
1	TEMFLG	- MOBILE4.1 calculates exhaust tempratures
4	OUTFMT	- 112-columndescriptive format
4	PRTFLG	- Print HC, CO, and NOX emission factors
1	IDLFLG	- No idle emissions calculated or printed
3	NMHFLG	- Print HC = Volatile organic compounds (VOC)
1	HCFLAG	- Print Total HC (overriden by prtflg)
.686.197.053.020.003.001.036.004	VMT mix:	LDGV,LDGT1,LDGT2,HDGV,LDDV,LDDT,HDDV
.045 .063 .066 .069 .071 .067 .058 .073 .071 .063	July,1996	.LDGV..MY AGES 1-1
.056 .053 .048 .030 .028 .025 .021 .022 .019 .013	Vehicle	11-
.009 .006 .006 .006 .013	Registrations	21-
.055 .071 .069 .068 .047 .046 .056 .064 .054		.LDGT1.MY AGES 1-1
.062 .051 .046 .031 .030 .029 .022 .027 .025 .021		11-
.017 .011 .013 .012 .027		21-
.064 .082 .079 .077 .046 .037 .042 .050 .047 .031		.LDGT2.MY AGES 1-1
.048 .037 .037 .027 .031 .024 .020 .042 .035 .032		11-
.027 .023 .021 .017 .023		21-
.042 .056 .057 .058 .037 .039 .035 .031 .029 .034		.HDGV..MY AGES 1-1
.049 .054 .044 .027 .035 .030 .044 .050 .041 .033		11-
.023 .033 .030 .027 .061		21-
.045 .063 .066 .069 .071 .067 .058 .073 .071 .063		.LDDV..MY AGES 1-1
.056 .053 .048 .030 .028 .025 .021 .022 .019 .013		11-
.009 .006 .006 .006 .013		21-
.055 .071 .069 .068 .047 .047 .046 .056 .064 .054		.LDDT..MY AGES 1-1
.062 .051 .046 .031 .030 .029 .022 .027 .025 .021		11-
.017 .011 .013 .012 .027		21-
.047 .062 .062 .062 .017 .029 .039 .030 .035 .052		.HDDV..MY AGES 1-1
.059 .067 .053 .036 .039 .055 .062 .036 .035 .027		11-
.014 .016 .016 .020 .030		21-
.026 .042 .049 .054 .060 .041 .045 .044 .030 .032		.MC...MY AGES 1-1
.061 .515 .000 .000 .000 .000 .000 .000 .000 .000		11-
.000 .000 .000 .000 .000		21-
87 20 68 89 03 03 095 1 2 2222 2111 220. 1.20 999.	I/M record strt yr	
87 20 90 20 03 03 095 1 2 2222 4211 1.20 20.0 2.50	I/M 240	
95 71 20 2222 12 095. 12211111	ATP record (2spd id	
95 71 20 2222 12 095.	PRESURE TEST	
95 90 20 2222 12 095.	PURGE TEST	
EL PASO-03 76.5 76.5 7.7 7.7 90	LAP rec: SCNME,MNTP	
1 96 XXXX 76.5 20.6 27.3 20.6 7	RGN,CY,SPD,AMBTMP,P	

**Summer 1996 El Paso County MOBILE5a Set-up
for Time Period 2**

1	PROMPT	
1	El Paso, TM2	- 1996 proj Control (1996-Includes I/M and 71-20 ATP)with CAA
1	TAMFLG	- Default: Tampering Rates
1	SPDFLG	- User Input: one speed for all vehicle types
3	VMFLAG	- User input: single VMT mix for all scenario
3	MYMRFG	- Default: AMAR, User input: Reg. Distributions
1	NEWFLG	- Default Basic exhaust rates,new fmvcp, new evap. tst
5	IMFLAG	- Uses two I/M programs and I/M prog for CAAA STD
1	ALHFLG	- No additional correction factors
8	ATPFLG	- ATP AND PRESSURE AND PURGE TEST
5	RLFLAG	- Zero-out refueling emissions
2	LOCFLG	- User input: one LAP record for all scenarios
1	TEMFLG	- MOBILE4.1 calculates exhaust tempratures
4	OUTFMT	- 112-column descriptive format
4	PRTFLG	- Print HC, CO, and NOX emission factors
1	IDLFLG	- No idle emissions calculated or printed
3	NMHFLG	- Print HC = Volatile organic compounds (VOC)
1	HCFLAG	- Print Total HC (overriden by prtflg)
.686	.197	.053 .020 .003 .001 .036 .004 VMT mix: LDGV,LDGT1,LDGT2,HDGV,LDDV,LDDT,HDDV
.045	.063	.066 .069 .071 .067 .058 .073 .071 .063 July,1996 .LDGV..MY AGES 1-1
.056	.053	.048 .030 .028 .025 .021 .022 .019 .013 Vehicle 11-
.009	.006	.006 .006 .013 Registrations 21-
.055	.071	.069 .068 .047 .046 .056 .064 .054 .LDGT1.MY AGES 1-1
.062	.051	.046 .031 .030 .029 .022 .027 .025 .021 11-
.017	.011	.013 .012 .027 21-
.064	.082	.079 .077 .046 .037 .042 .050 .047 .031 .LDGT2.MY AGES 1-1
.048	.037	.037 .027 .031 .024 .020 .042 .035 .032 11-
.027	.023	.021 .017 .023 21-
.042	.056	.057 .058 .037 .039 .035 .031 .029 .034 .HDGV..MY AGES 1-1
.049	.054	.044 .027 .035 .030 .044 .050 .041 .033 11-
.023	.033	.030 .027 .061 21-
.045	.063	.066 .069 .071 .067 .058 .073 .071 .063 .LDDV..MY AGES 1-1
.056	.053	.048 .030 .028 .025 .021 .022 .019 .013 11-
.009	.006	.006 .006 .013 21-
.055	.071	.069 .068 .047 .047 .046 .056 .064 .054 .LDDT..MY AGES 1-1
.062	.051	.046 .031 .030 .029 .022 .027 .025 .021 11-
.017	.011	.013 .012 .027 21-
.047	.062	.062 .062 .017 .029 .039 .030 .035 .052 .HDDV..MY AGES 1-1
.059	.067	.053 .036 .039 .055 .062 .036 .035 .027 11-
.014	.016	.016 .020 .030 21-
.026	.042	.049 .054 .060 .041 .045 .044 .030 .032 .MC...MY AGES 1-1
.061	.515	.000 .000 .000 .000 .000 .000 .000 .000 11-
.000	.000	.000 .000 .000 21-
87	20	68 89 03 03 095 1 2 2222 2111 220. 1.20 999. I/M record strt yr
87	20	90 20 03 03 095 1 2 2222 4211 1.20 20.0 2.50 I/M 240
95	71	20 2222 12 095. 12211111 ATP record (2spd id
95	71	20 2222 12 095. PRESURE TEST
95	90	20 2222 12 095. PURGE TEST
El	PASO-03	92.7 92.7 7.7 7.7 90 LAP rec: SCNME,MNTP
1	96	XXXX 92.7 20.6 27.3 20.6 7 RGN,CY,SPD,AMBTMP,P

**Summer 1996 El Paso County MOBILE5a Set-up
for Time Period 3**

1	PROMPT	
1	El Paso, TM3	- 1996 proj Control (1996-Includes I/M and 71-20 ATP)with CAA
1	TAMFLG	- Default: Tampering Rates
1	SPDFLG	- User Input: one speed for all vehicle types
3	VMFLAG	- User input: single VMT mix for all scenario
3	MYMRFG	- Default: AMAR, User input: Reg. Distributions
1	NEWFLG	- Default Basic exhaust rates,new fmvcp, new evap. tst
5	IMFLAG	- Uses two I/M programs and I/M prog for CAAA STD
1	ALHFLG	- No additional correction factors
8	ATPFLG	- ATP AND PRESSURE AND PURGE TEST
5	RLFLAG	- Zero-out refueling emissions
2	LOCFLG	- User input: one LAP record for all scenarios
1	TEMFLG	- MOBILE4.1 calculates exhaust tempratures
4	OUTFMT	- 112-columndescriptive format
4	PRTFLG	- Print HC, CO, and NOX emission factors
1	IDLFLG	- No idle emissions calculated or printed
3	NMHFLG	- Print HC = Volatile organic compounds (VOC)
1	HCFLAG	- Print Total HC (overriden by prtflg)
.686.197.053.020.003.001.036.004	VMT mix:	LDGV,LDGT1,LDGT2,HDGV,LDDV,LDDT,HDDV
.045 .063 .066 .069 .071 .067 .058 .073 .071 .063	July,1996	.LDGV..MY AGES 1-1
.056 .053 .048 .030 .028 .025 .021 .022 .019 .013	Vehicle	11-
.009 .006 .006 .006 .013	Registrations	21-
.055 .071 .069 .068 .047 .046 .056 .064 .054		.LDGT1.MY AGES 1-1
.062 .051 .046 .031 .030 .029 .022 .027 .025 .021		11-
.017 .011 .013 .012 .027		21-
.064 .082 .079 .077 .046 .037 .042 .050 .047 .031		.LDGT2.MY AGES 1-1
.048 .037 .037 .027 .031 .024 .020 .042 .035 .032		11-
.027 .023 .021 .017 .023		21-
.042 .056 .057 .058 .037 .039 .035 .031 .029 .034		.HDGV..MY AGES 1-1
.049 .054 .044 .027 .035 .030 .044 .050 .041 .033		11-
.023 .033 .030 .027 .061		21-
.045 .063 .066 .069 .071 .067 .058 .073 .071 .063		.LDDV..MY AGES 1-1
.056 .053 .048 .030 .028 .025 .021 .022 .019 .013		11-
.009 .006 .006 .006 .013		21-
.055 .071 .069 .068 .047 .047 .046 .056 .064 .054		.LDDT..MY AGES 1-1
.062 .051 .046 .031 .030 .029 .022 .027 .025 .021		11-
.017 .011 .013 .012 .027		21-
.047 .062 .062 .062 .017 .029 .039 .030 .035 .052		.HDDV..MY AGES 1-1
.059 .067 .053 .036 .039 .055 .062 .036 .035 .027		11-
.014 .016 .016 .020 .030		21-
.026 .042 .049 .054 .060 .041 .045 .044 .030 .032		.MC....MY AGES 1-1
.061 .515 .000 .000 .000 .000 .000 .000 .000 .000		11-
.000 .000 .000 .000 .000		21-
87 20 68 89 03 03 095 1 2 2222 2111 220. 1.20 999.	I/M record strt yr	
87 20 90 20 03 03 095 1 2 2222 4211 1.20 20.0 2.50	I/M 240	
95 71 20 2222 12 095. 12211111	ATP record (2spd id	
95 71 20 2222 12 095.	PRESURE TEST	
95 90 20 2222 12 095.	PURGE TEST	
EL PASO-03 94.2 94.2 7.7 7.7 90	LAP rec: SCNME,MNTP	
1 96 XXXX 94.2 20.6 27.3 20.6 7	RGN,CY,SPD,AMBTMP,P	

**Summer 1996 El Paso County MOBILE5a Set-up
for Time Period 4**

1	PROMPT	
1	El Paso, TM4	- 1996 proj Control (1996-Includes I/M and 71-20 ATP)with CAA
1	TAMFLG	- Default: Tampering Rates
1	SPDFLG	- User Input: one speed for all vehicle types
3	VMFLAG	- User input: single VMT mix for all scenario
3	MYMFLG	- Default: AMAR, User input: Reg. Distributions
1	NEWFLG	- Default Basic exhaust rates,new fmvcp, new evap. tst
5	IMFLAG	- Uses two I/M programs and I/M prog for CAAA STD
1	ALHFLG	- No additional correction factors
8	ATPFLG	- ATP AND PRESSURE AND PURGE TEST
5	RLFLAG	- Zero-out refueling emissions
2	LOCFLG	- User input: one LAP record for all scenarios
1	TEMFLG	- MOBILE4.1 calculates exhaust tempratures
4	OUTFMT	- 112-column descriptive format
4	PRTFLG	- Print HC, CO, and NOX emission factors
1	IDLFLG	- No idle emissions calculated or printed
3	NMHFLG	- Print HC = Volatile organic compounds (VOC)
1	HCFLAG	- Print Total HC (overriden by prtflg)
.686	.197	.053 .020 .003 .001 .036 .004 VMT mix: LDGV,LDGT1,LDGT2,HDGV,LDDV,LDDT,HDDV
.045	.063	.066 .069 .071 .067 .058 .073 .071 .063 July,1996 .LDGV..MY AGES 1-1
.056	.053	.048 .030 .028 .025 .021 .022 .019 .013 Vehicle 11-
.009	.006	.006 .006 .013 Registrations 21-
.055	.071	.069 .068 .047 .046 .056 .064 .054 .LDGT1.MY AGES 1-1
.062	.051	.046 .031 .030 .029 .022 .027 .025 .021 11-
.017	.011	.013 .012 .027 21-
.064	.082	.079 .077 .046 .037 .042 .050 .047 .031 .LDGT2.MY AGES 1-1
.048	.037	.037 .027 .031 .024 .020 .042 .035 .032 11-
.027	.023	.021 .017 .023 21-
.042	.056	.057 .058 .037 .039 .035 .031 .029 .034 .HDGV..MY AGES 1-1
.049	.054	.044 .027 .035 .030 .044 .050 .041 .033 11-
.023	.033	.030 .027 .061 21-
.045	.063	.066 .069 .071 .067 .058 .073 .071 .063 .LDDV..MY AGES 1-1
.056	.053	.048 .030 .028 .025 .021 .022 .019 .013 11-
.009	.006	.006 .006 .013 21-
.055	.071	.069 .068 .047 .046 .056 .064 .054 .LDDT..MY AGES 1-1
.062	.051	.046 .031 .030 .029 .022 .027 .025 .021 11-
.017	.011	.013 .012 .027 21-
.047	.062	.062 .062 .017 .029 .039 .030 .035 .052 .HDDV..MY AGES 1-1
.059	.067	.053 .036 .039 .055 .062 .036 .035 .027 11-
.014	.016	.016 .020 .030 21-
.026	.042	.049 .054 .060 .041 .045 .044 .030 .032 .MC...MY AGES 1-1
.061	.515	.000 .000 .000 .000 .000 .000 .000 .000 11-
.000	.000	.000 .000 .000 21-
87 20 68 89 03 03 095 1 2 2222 2111 220. 1.20 999.		I/M record strt yr
87 20 90 20 03 03 095 1 2 2222 4211 1.20 20.0 2.50		I/M 240
95 71 20 2222 12 095. 12211111		ATP record (2spd id
95 71 20 2222 12 095.		PRESURE TEST
95 90 20 2222 12 095.		PURGE TEST
El PASO-03 73.6 73.6 7.7 7.7 90		LAP rec: SCNME,MNTP
1 96 XXXX 73.6 20.6 27.3 20.6 7		RGN,CY,SPD,AMBTMP,P

Summer 1996 El Paso County MOBILE5a Set-up for 24-Hour Diurnal Rates

1	PROMPT	
1	El Paso, TM1	- 1996 proj Control (1996-Includes I/M and 71-20 ATP)with CAA
1	TAMFLG	- Default: Tampering Rates
1	SPDFLG	- User Input: one speed for all vehicle types
3	VMFLAG	- User input: single VMT mix for all scenario
3	MYMRFG	- Default: AMAR, User input: Reg. Distributions
1	NEWFLG	- Default Basic exhaust rates,new fmvcp, new evap. tst
5	IMFLAG	- Uses two I/M programs and I/M prog for CAAA STD
1	ALHFLG	- No additional correction factors
8	ATPFLG	- ATP AND PRESSURE AND PURGE TEST
5	RLFLAG	- Zero-out refueling emissions
2	LOCFLG	- User input: one LAP record for all scenarios
1	TEMFLG	- MOBILE4.1 calculates exhaust tempratures
3	OUTFMT	- 112-COLUMNDESCRIPTIVE FORMAT
4	PRTFLG	- Print HC, CO, and NOX emission factors
1	IDLFLG	- No idle emissions calculated or printed
3	NMHFLG	- Print HC = Volatile organic compounds (VOC)
3	HCFLAG	- PRINT TOTAL HC (OVERRIDEN BY PRTFLG)
.686.197.053.020.003.001.036.004	VMT mix:	LDGV,LDGT1,LDGT2,HDGV,LDDV,LDDT,HDDV
.045 .063 .066 .069 .071 .067 .058 .073 .071 .063	July,1996	.LDGV..MY AGES 1-1
.056 .053 .048 .030 .028 .025 .021 .022 .019 .013	Vehicle	11-
.009 .006 .006 .006 .013	Registrations	21-
.055 .071 .069 .068 .047 .047 .046 .056 .064 .054		.LDGT1.MY AGES 1-1
.062 .051 .046 .031 .030 .029 .022 .027 .025 .021		11-
.017 .011 .013 .012 .027		21-
.064 .082 .079 .077 .046 .037 .042 .050 .047 .031		.LDGT2.MY AGES 1-1
.048 .037 .037 .027 .031 .024 .020 .042 .035 .032		11-
.027 .023 .021 .017 .023		21-
.042 .056 .057 .058 .037 .039 .035 .031 .029 .034		.HDGV..MY AGES 1-1
.049 .054 .044 .027 .035 .030 .044 .050 .041 .033		11-
.023 .033 .030 .027 .061		21-
.045 .063 .066 .069 .071 .067 .058 .073 .071 .063		.LDDV..MY AGES 1-1
.056 .053 .048 .030 .028 .025 .021 .022 .019 .013		11-
.009 .006 .006 .006 .013		21-
.055 .071 .069 .068 .047 .047 .046 .056 .064 .054		.LDDT..MY AGES 1-1
.062 .051 .046 .031 .030 .029 .022 .027 .025 .021		11-
.017 .011 .013 .012 .027		21-
.047 .062 .062 .062 .017 .029 .039 .030 .035 .052		.HDDV..MY AGES 1-1
.059 .067 .053 .036 .039 .055 .062 .036 .035 .027		11-
.014 .016 .016 .020 .030		21-
.026 .042 .049 .054 .060 .041 .045 .044 .030 .032		.MC...MY AGES 1-1
.061 .515 .000 .000 .000 .000 .000 .000 .000 .000		11-
.000 .000 .000 .000 .000		21-
87 20 68 89 03 03 095 1 2 2222 2111 220. 1.20 999.		I/M record strt yr
87 20 90 20 03 03 095 1 2 2222 4211 1.20 20.0 2.50		I/M 240
95 71 20 2222 12 095. 12211111		ATP record (2spd id
95 71 20 2222 12 095.		PRESURE TEST
95 90 20 2222 12 095.		PURGE TEST
EL PASO-03 66.0 97.0 7.7 7.7 90		LAP REC: SCNME,MNTP
1 96 XXXX 86.7 20.6 27.3 20.6 7		RGN,CY,SPD,AMBTMP,P

Winter 1995 El Paso County MOBILE5a Set-up for Time Period 1

1	PROMPT	
1	EL PASO, TM1 -CO	- 1996 PROJ CONTROL (1996-INCLUDES I/M AND 71-20 ATP)With CAA
1	TAMFLG	- Default: Tampering Rates
1	SPDFLG	- User Input: one speed for all vehicle types
3	VMFLAG	- User input: single VMT mix for all scenario
3	MYMRFG	- Default: AMAR, User input: Reg. Distributions
1	NEWFLG	- Default Basic exhaust rates,new fmvcp, new evap. tst
5	IMFLAG	- Uses two I/M programs and I/M prog for CAAA STD
1	ALHFLG	- No additional correction factors
8	ATPFLG	- ATP AND PRESSURE AND PURGE TEST
5	RLFLAG	- Zero-out refueling emissions
2	LOCFLG	- User input: one LAP record for all scenarios
1	TEMFLG	- MOBILE4.1 calculates exhaust tempratures
4	OUTFMT	- 112-columndescriptive format
4	PRTFLG	- Print HC, CO, and NOX emission factors
1	IDLFLG	- No idle emissions calculated or printed
3	NMHFLG	- Print HC = Volatile organic compounds (VOC)
1	HCFLAG	- Print Total HC (overriden by prtflg)
.686.197.053.020.003.001.036.004	VMT mix:	LDGV,LDGT1,LDGT2,HDGV,LDDV,LDDT,HDDV
.045 .063 .066 .069 .071 .067 .058 .073 .071 .063	July,1996	.LDGV..MY AGES 1-1
.056 .053 .048 .030 .028 .025 .021 .022 .019 .013	Vehicle	11-
.009 .006 .006 .006 .013	Registrations	21-
.055 .071 .069 .068 .047 .046 .056 .064 .054		.LDGT1.MY AGES 1-1
.062 .051 .046 .031 .030 .029 .022 .027 .025 .021		11-
.017 .011 .013 .012 .027		21-
.064 .082 .079 .077 .046 .037 .042 .050 .047 .031		.LDGT2.MY AGES 1-1
.048 .037 .037 .027 .031 .024 .020 .042 .035 .032		11-
.027 .023 .021 .017 .023		21-
.042 .056 .057 .058 .037 .039 .035 .031 .029 .034		.HDGV..MY AGES 1-1
.049 .054 .044 .027 .035 .030 .044 .050 .041 .033		11-
.023 .033 .030 .027 .061		21-
.045 .063 .066 .069 .071 .067 .058 .073 .071 .063		.LDDV..MY AGES 1-1
.056 .053 .048 .030 .028 .025 .021 .022 .019 .013		11-
.009 .006 .006 .006 .013		21-
.055 .071 .069 .068 .047 .047 .046 .056 .064 .054		.LDDT..MY AGES 1-1
.062 .051 .046 .031 .030 .029 .022 .027 .025 .021		11-
.017 .011 .013 .012 .027		21-
.047 .062 .062 .062 .017 .029 .039 .030 .035 .052		.HDDV..MY AGES 1-1
.059 .067 .053 .036 .039 .055 .062 .036 .035 .027		11-
.014 .016 .016 .020 .030		21-
.026 .042 .049 .054 .060 .041 .045 .044 .030 .032		.MC...MY AGES 1-1
.061 .515 .000 .000 .000 .000 .000 .000 .000 .000		11-
.000 .000 .000 .000 .000		21-
87 20 68 89 03 03 095 1 2 2222 2111 220. 1.20 999.		I/M record strt yr
87 20 90 20 03 03 095 1 2 2222 4211 1.20 20.0 2.50		I/M 240
95 71 20 2222 12 095. 12211111		ATP record (2spd id
95 71 20 2222 12 095.		PRESURE TEST
95 90 20 2222 12 095.		PURGE TEST
EL PASO-CO	35.6 35.6 11.6 11.6 90	LAP REC: SCNME,MNTP
1 96 XXXX 35.6 20.6 27.3 20.6 1		RGN,CY,SPD,AMBTMP,P

**Winter 1995 El Paso County MOBILE5a Set-up
for Time Period 2**

1	PROMPT	
1	EL PASO, TM2 -CO	- 1996 PROJ CONTROL (1996-INCLUDES I/M AND 71-20 ATP)With CAA
1	TAMFLG	- Default: Tampering Rates
1	SPDFLG	- User Input: one speed for all vehicle types
3	VMFLAG	- User input: single VMT mix for all scenario
3	MYMFLG	- Default: AMAR, User input: Reg. Distributions
1	NEWFLG	- Default Basic exhaust rates,new fmvcp, new evap. tst
5	IMFLAG	- Uses two I/M programs and I/M prog for CAAA STD
1	ALHFLG	- No additional correction factors
8	ATPFLG	- ATP AND PRESSURE AND PURGE TEST
5	RLFLAG	- Zero-out refueling emissions
2	LOCFLG	- User input: one LAP record for all scenarios
1	TEMFLG	- MOBILE4.1 calculates exhaust tempratures
4	OUTFMT	- 112-column descriptive format
4	PRTFLG	- Print HC, CO, and NOX emission factors
1	IDLFLG	- No idle emissions calculated or printed
3	NMHFLG	- Print HC = Volatile organic compounds (VOC)
1	HCFLAG	- Print Total HC (overriden by prtflg)
.686	.197	.053 .020 .003 .001 .036 .004 VMT mix: LDGV,LDGT1,LDGT2,HDGV,LDDV,LDDT,HDDV
.045	.063	.066 .069 .071 .067 .058 .073 .071 .063 July,1996 .LDGV..MY AGES 1-1
.056	.053	.048 .030 .028 .025 .021 .022 .019 .013 Vehicle 11-
.009	.006	.006 .006 .013 Registrations 21-
.055	.071	.069 .068 .047 .046 .056 .064 .054 .LDGT1.MY AGES 1-1
.062	.051	.046 .031 .030 .029 .022 .027 .025 .021 11-
.017	.011	.013 .012 .027 21-
.064	.082	.079 .077 .046 .037 .042 .050 .047 .031 .LDGT2.MY AGES 1-1
.048	.037	.037 .027 .031 .024 .020 .042 .035 .032 11-
.027	.023	.021 .017 .023 21-
.042	.056	.057 .058 .037 .039 .035 .031 .029 .034 .HDGV..MY AGES 1-1
.049	.054	.044 .027 .035 .030 .044 .050 .041 .033 11-
.023	.033	.030 .027 .061 21-
.045	.063	.066 .069 .071 .067 .058 .073 .071 .063 .LDDV..MY AGES 1-1
.056	.053	.048 .030 .028 .025 .021 .022 .019 .013 11-
.009	.006	.006 .006 .013 21-
.055	.071	.069 .068 .047 .047 .046 .056 .064 .054 .LDDT..MY AGES 1-1
.062	.051	.046 .031 .030 .029 .022 .027 .025 .021 11-
.017	.011	.013 .012 .027 21-
.047	.062	.062 .062 .017 .029 .039 .030 .035 .052 .HDDV..MY AGES 1-1
.059	.067	.053 .036 .039 .055 .062 .036 .035 .027 11-
.014	.016	.016 .020 .030 21-
.026	.042	.049 .054 .060 .041 .045 .044 .030 .032 .MC....MY AGES 1-1
.061	.515	.000 .000 .000 .000 .000 .000 .000 .000 11-
.000	.000	.000 .000 .000 21-
87 20 68 89 03 03 095 1 2 2222 2111 220. 1.20 999.		I/M record strt yr
87 20 90 20 03 03 095 1 2 2222 4211 1.20 20.0 2.50		I/M 240
95 71 20 2222 12 095. 12211111		ATP record (2spd id
95 71 20 2222 12 095.		PRESURE TEST
95 90 20 2222 12 095.		PURGE TEST
EL PASO-CO	57.1 57.1 11.6 11.6 90	LAP REC: SCNME,MNTP
1 96 XXXX	57.1 20.6 27.3 20.6 1	RGN,CY,SPD,AMBTMP,P

**Winter 1995 El Paso County MOBILE5a Set-up
for Time Period 3**

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1          PROMPT
1 EL PASO, TM3 -CO - 1996 PROJ CONTROL (1996-INCLUDES I/M AND 71-20 ATP)with CAA
1          TAMFLG - Default: Tampering Rates
1          SPDFLG - User Input: one speed for all vehicle types
3          VMFLAG - User input: single VMT mix for all scenario
3          MYMRFG - Default: AMAR, User input: Reg. Distributions
1          NEWFLG - Default Basic exhaust rates,new fmvcp, new evap. tst
5          IMFLAG - Uses two I/M programs and I/M prog for CAAA STD
1          ALHFLG - No additional correction factors
8          ATPFLG - ATP AND PRESSURE AND PURGE TEST
5          RLFFLAG - Zero-out refueling emissions
2          LOCFLG - User input: one LAP record for all scenarios
1          TEMFLG - MOBILE4.1 calculates exhaust tempratures
4          OUTFMT - 112-columndescriptive format
4          PRFTLG - Print HC, CO, and NOX emission factors
1          IDLFLG - No idle emissions calculated or printed
3          NMHFLG - Print HC = Volatile organic compounds (VOC)
1          HCFLAG - Print Total HC (overriden by prtflg)
.686.197.053.020.003.001.036.004 VMT mix: LDGV,LDGT1,LDGT2,HDGV,LDDV,LDDT,HDDV
.045 .063 .066 .069 .071 .067 .058 .073 .071 .063 July,1996 .LDGV..MY AGES 1-1
.056 .053 .048 .030 .028 .025 .021 .022 .019 .013 Vehicle 11-
.009 .006 .006 .006 .013 Registrations 21-
.055 .071 .069 .068 .047 .046 .056 .064 .054 .LDGT1.MY AGES 1-1
.062 .051 .046 .031 .030 .029 .022 .027 .025 .021 11-
.017 .011 .013 .012 .027 21-
.064 .082 .079 .077 .046 .037 .042 .050 .047 .031 .LDGT2.MY AGES 1-1
.048 .037 .037 .027 .031 .024 .020 .042 .035 .032 11-
.027 .023 .021 .017 .023 21-
.042 .056 .057 .058 .037 .039 .035 .031 .029 .034 .HDGV..MY AGES 1-1
.049 .054 .044 .027 .035 .030 .044 .050 .041 .033 11-
.023 .033 .030 .027 .061 21-
.045 .063 .066 .069 .071 .067 .058 .073 .071 .063 .LDDV..MY AGES 1-1
.056 .053 .048 .030 .028 .025 .021 .022 .019 .013 11-
.009 .006 .006 .006 .013 21-
.055 .071 .069 .068 .047 .047 .046 .056 .064 .054 .LDDT..MY AGES 1-1
.062 .051 .046 .031 .030 .029 .022 .027 .025 .021 11-
.017 .011 .013 .012 .027 21-
.047 .062 .062 .062 .017 .029 .039 .030 .035 .052 .HDDV..MY AGES 1-1
.059 .067 .053 .036 .039 .055 .062 .036 .035 .027 11-
.014 .016 .016 .020 .030 21-
.026 .042 .049 .054 .060 .041 .045 .044 .030 .032 .MC...MY AGES 1-1
.061 .515 .000 .000 .000 .000 .000 .000 .000 .000 11-
.000 .000 .000 .000 .000 21-
87 20 68 89 03 03 095 1 2 2222 2111 220. 1.20 999. I/M record strt yr
87 20 90 20 03 03 095 1 2 2222 4211 1.20 20.0 2.50 I/M 240
95 71 20 2222 12 095. 12211111 ATP record (2spd id
95 71 20 2222 12 095. PRESURE TEST
95 90 20 2222 12 095. PURGE TEST
EL PASO-CO 55.5 55.5 11.6 11.6 90 LAP REC: SCNME,MNTP
1 96 XXXX 55.5 20.6 27.3 20.6 1 RGN,CY,SPD,AMBTMP,P

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Winter 1995 El Paso County MOBILE5a Set-up for Time Period 4

1	PROMPT	
1	EL PASO, TM4 -CO	- 1996 PROJ CONTROL (1996-INCLUDES I/M AND 71-20 ATP)with CAA
1	TAMFLG	- Default: Tampering Rates
1	SPDFLG	- User Input: one speed for all vehicle types
3	VMFLAG	- User input: single VMT mix for all scenario
3	MYMFLG	- Default: AMAR, User input: Reg. Distributions
1	NEWFLG	- Default Basic exhaust rates,new fmvcp, new evap. tst
5	IMFLAG	- Uses two I/M programs and I/M prog for CAAA STD
1	ALHFLG	- No additional correction factors
8	ATPFLG	- ATP AND PRESSURE AND PURGE TEST
5	RLFLAG	- Zero-out refueling emissions
2	LOCFLG	- User input: one LAP record for all scenarios
1	TEMFLG	- MOBILE4.1 calculates exhaust tempratures
4	OUTFMT	- 112-column descriptive format
4	PRTFLG	- Print HC, CO, and NOX emission factors
1	IDLFLG	- No idle emissions calculated or printed
3	NMHFLG	- Print HC = Volatile organic compounds (VOC)
1	HCFLAG	- Print Total HC (overriden by prtflg)
.686.197.053.020.003.001.036.004	VMT mix:	LDGV,LDGT1,LDGT2,HDGV,LDDV,LDDT,HDDV
.045 .063 .066 .069 .071 .067 .058 .073 .071 .063	July,1996	.LDGV..MY AGES 1-1
.056 .053 .048 .030 .028 .025 .021 .022 .019 .013	Vehicle	11-
.009 .006 .006 .006 .013	Registrations	21-
.055 .071 .069 .068 .047 .046 .056 .064 .054		.LDGT1.MY AGES 1-1
.062 .051 .046 .031 .030 .029 .022 .027 .025 .021		11-
.017 .011 .013 .012 .027		21-
.064 .082 .079 .077 .046 .037 .042 .050 .047 .031		.LDGT2.MY AGES 1-1
.048 .037 .037 .027 .031 .024 .020 .042 .035 .032		11-
.027 .023 .021 .017 .023		21-
.042 .056 .057 .058 .037 .039 .035 .031 .029 .034		.HDGV..MY AGES 1-1
.049 .054 .044 .027 .035 .030 .044 .050 .041 .033		11-
.023 .033 .030 .027 .061		21-
.045 .063 .066 .069 .071 .067 .058 .073 .071 .063		.LDDV..MY AGES 1-1
.056 .053 .048 .030 .028 .025 .021 .022 .019 .013		11-
.009 .006 .006 .006 .013		21-
.055 .071 .069 .068 .047 .047 .046 .056 .064 .054		.LDDT..MY AGES 1-1
.062 .051 .046 .031 .030 .029 .022 .027 .025 .021		11-
.017 .011 .013 .012 .027		21-
.047 .062 .062 .062 .017 .029 .039 .030 .035 .052		.HDDV..MY AGES 1-1
.059 .067 .053 .036 .039 .055 .062 .036 .035 .027		11-
.014 .016 .016 .020 .030		21-
.026 .042 .049 .054 .060 .041 .045 .044 .030 .032		.MC...MY AGES 1-1
.061 .515 .000 .000 .000 .000 .000 .000 .000 .000		11-
.000 .000 .000 .000 .000		21-
87 20 68 89 03 03 095 1 2 2222 2111 220. 1.20 999.		I/M record strt yr
87 20 90 20 03 03 095 1 2 2222 4211 1.20 20.0 2.50		I/M 240
95 71 20 2222 12 095. 122111111		ATP record (2spd id
95 71 20 2222 12 095.		PRESURE TEST
95 90 20 2222 12 095.		PURGE TEST
EL PASO-CO	34.7 34.7 11.6 11.6 90	LAP REC: SCNME,MNTP
1 96 XXXX	34.7 20.6 27.3 20.6 1	RGN,CY,SPD,AMBTMP,P

**Summer 1999 El Paso County MOBILE5a Set-up
for Time Period 1**

1	PROMPT	
1	El Paso, TM1	- 1999 proj Control (1999-Includes I/M and 71-20 ATP)with CAA
1	TAMFLG	- Default: Tampering Rates
1	SPDFLG	- User Input: one speed for all vehicle types
3	VMFLAG	- User input: single VMT mix for all scenario
3	MYMFRG	- Default: AMAR, User input: Reg. Distributions
1	NEWFLG	- Default Basic exhaust rates,new fmvcp, new evap. tst
5	IMFLAG	- Uses two I/M programs and I/M prog for CAAA STD
1	ALHFLG	- No additional correction factors
8	ATPFLG	- ATP AND PRESSURE AND PURGE TEST
5	RLFLAG	- Zero-out refueling emissions
2	LOCFLG	- User input: one LAP record for all scenarios
1	TEMFLG	- MOBILE4.1 calculates exhaust tempratures
4	OUTFMT	- 112-columndescriptive format
4	PRTFLG	- Print HC, CO, and NOX emission factors
1	IDLFLG	- No idle emissions calculated or printed
3	NMHFLG	- Print HC = Volatile organic compounds (VOC)
1	HCFLAG	- Print Total HC (overriden by prtflg)
.686.197.053.020.003.001.036.004	VMT mix:	LDGV,LDGT1,LDGT2,HDGV,LDDV,LDDT,HDDV
.044 .061 .063 .066 .068 .070 .071 .071 .064 .052		LDGV 1999
.062 .056 .045 .038 .034 .029 .017 .016 .014 .011		LDGV 1999
.012 .010 .007 .005 .015		LDGV 1999
.055 .072 .070 .067 .064 .062 .060 .041 .040 .038		LDGT1 1999
.045 .050 .041 .046 .037 .033 .022 .022 .021 .015		LDGT1 1999
.019 .017 .014 .012 .036		LDGT1 1999
.065 .083 .079 .074 .071 .068 .066 .038 .030 .033		LDGT2 1999
.039 .035 .022 .034 .026 .026 .018 .021 .016 .013		LDGT2 1999
.029 .024 .022 .018 .048		LDGT2 1999
.042 .057 .057 .057 .058 .058 .058 .036 .037 .032		HDGV 1999
.028 .026 .029 .041 .044 .035 .021 .028 .024 .034		HDGV 1999
.039 .032 .026 .018 .083		HDGV 1999
.044 .061 .063 .066 .068 .070 .071 .071 .064 .052		LDDV 1999
.062 .056 .045 .038 .034 .029 .017 .016 .014 .011		LDDV 1999
.012 .010 .007 .005 .015		LDDV 1999
.055 .072 .070 .067 .064 .062 .060 .041 .040 .038		LDDT 1999
.045 .050 .041 .046 .037 .033 .022 .022 .021 .015		LDDT 1999
.019 .017 .014 .012 .036		LDDT 1999
.047 .063 .063 .061 .061 .060 .059 .016 .027 .035		HDDV 1999
.026 .030 .042 .047 .052 .041 .027 .029 .041 .046		HDDV 1999
.026 .026 .020 .010 .043		HDDV 1999
.017 .029 .037 .043 .050 .053 .055 .051 .035 .037		MC 1999
.040 .553 .000 .000 .000 .000 .000 .000 .000 .000		MC 1999
.000 .000 .000 .000 .000		MC 1999
87 20 68 89 03 03 095 1 2 2222 2111 220. 1.20 999.		I/M record strt yr
87 20 90 20 03 03 095 1 2 2222 4211 1.20 20.0 2.50		I/M 240
95 71 20 2222 12 095. 12211111		ATP record (2spd id
95 71 20 2222 12 095.		PRESURE TEST
95 90 20 2222 12 095.		PURGE TEST
El PASO-03	76.5 76.5 7.7 7.7 90	LAP rec: SCNME,MNTP
1 99 XXXX	76.5 20.6 27.3 20.6 7	RGN,CY,SPD,AMBTMP,P

Summer 1999 El Paso County MOBILE5a Set-up for Time Period 2

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1 PROMPT
1 El Paso, TM2 - 1999 proj Control (1999-Includes I/M and 71-20 ATP)with CAA
1 TAMFLG - Default: Tampering Rates
1 SPDFLG - User Input: one speed for all vehicle types
3 VMFLAG - User input: single VMT mix for all scenario
3 MYMRFG - Default: AMAR, User input: Reg. Distributions
1 NEWFLG - Default Basic exhaust rates,new fmvcp, new evap. tst
5 IMFLAG - Uses two I/M programs and I/M prog for CAAA STD
1 ALHFLG - No additional correction factors
8 ATPFLG - ATP AND PRESSURE AND PURGE TEST
5 RLFLAG - Zero-out refueling emissions
2 LOCFLG - User input: one LAP record for all scenarios
1 TEMFLG - MOBILE4.1 calculates exhaust tempratures
4 OUTFMT - 112-columndescriptive format
4 PRTFLG - Print HC, CO, and NOX emission factors
1 IDLFLG - No idle emissions calculated or printed
3 NMHFLG - Print HC = Volatile organic compounds (VOC)
1 HCFLAG - Print Total HC (overriden by prtflg)
.686.197.053.020.003.001.036.004 VMT mix: LDGV,LDGT1,LDGT2,HDGV,LDDV,LDDT,HDDV
.044 .061 .063 .066 .068 .070 .071 .071 .064 .052 LDGV 1999
.062 .056 .045 .038 .034 .029 .017 .016 .014 .011 LDGV 1999
.012 .010 .007 .005 .015 LDGV 1999
.055 .072 .070 .067 .064 .062 .060 .041 .040 .038 LDGT1 1999
.045 .050 .041 .046 .037 .033 .022 .022 .021 .015 LDGT1 1999
.019 .017 .014 .012 .036 LDGT1 1999
.065 .083 .079 .074 .071 .068 .066 .038 .030 .033 LDGT2 1999
.039 .035 .022 .034 .026 .026 .018 .021 .016 .013 LDGT2 1999
.029 .024 .022 .018 .048 LDGT2 1999
.042 .057 .057 .057 .058 .058 .058 .036 .037 .032 HDGV 1999
.028 .026 .029 .041 .044 .035 .021 .028 .024 .034 HDGV 1999
.039 .032 .026 .018 .083 HDGV 1999
.044 .061 .063 .066 .068 .070 .071 .071 .064 .052 LDDV 1999
.062 .056 .045 .038 .034 .029 .017 .016 .014 .011 LDDV 1999
.012 .010 .007 .005 .015 LDDV 1999
.055 .072 .070 .067 .064 .062 .060 .041 .040 .038 LDDT 1999
.045 .050 .041 .046 .037 .033 .022 .022 .021 .015 LDDT 1999
.019 .017 .014 .012 .036 LDDT 1999
.047 .063 .063 .061 .061 .060 .059 .016 .027 .035 HDDV 1999
.026 .030 .042 .047 .052 .041 .027 .029 .041 .046 HDDV 1999
.026 .026 .020 .010 .043 HDDV 1999
.017 .029 .037 .043 .050 .053 .055 .051 .035 .037 MC 1999
.040 .553 .000 .000 .000 .000 .000 .000 .000 .000 MC 1999
.000 .000 .000 .000 .000 MC 1999
87 20 68 89 03 03 095 1 2 2222 2111 220. 1.20 999. I/M record strt yr
87 20 90 20 03 03 095 1 2 2222 4211 1.20 20.0 2.50 I/M 240
95 71 20 2222 12 095. 12211111 ATP record (2spd id
95 71 20 2222 12 095. PRESURE TEST
95 90 20 2222 12 095. PURGE TEST
El PASO-03 92.7 92.7 7.7 7.7 90 LAP rec: SCNME,MNTP
1 99 XXXX 92.7 20.6 27.3 20.6 7 RGN,CY,SPD,AMBTMP,P

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Summer 1999 El Paso County MOBILE5a Set-up for Time Period 3

1	PROMPT	
1	El Paso, TM3	- 1999 proj Control (1999-Includes I/M and 71-20 ATP)with CAA
1	TAMFLG	- Default: Tampering Rates
1	SPDFLG	- User Input: one speed for all vehicle types
3	VMFLAG	- User input: single VMT mix for all scenario
3	MYMRFG	- Default: AMAR, User input: Reg. Distributions
1	NEWFLG	- Default Basic ehaust rates,new fmvcp, new evap. tst
5	IMFLAG	- Uses two I/M programs and I/M prog for CAAA STD
1	ALHFLG	- No additional correction factors
8	ATPFLG	- ATP AND PRESSURE AND PURGE TEST
5	RLFLAG	- Zero-out refueling emissions
2	LOCFLG	- User input: one LAP record for all scenarios
1	TEMFLG	- MOBILE4.1 calculates exhaust tempratures
4	OUTFMT	- 112-columndescriptive format
4	PRTFLG	- Print HC, CO, and NOX emission factors
1	IDLFLG	- No idle emissions calculated or printed
3	NMHFLG	- Print HC = Volatile organic compounds (VOC)
1	HCFLAG	- Print Total HC (overriden by prtflg)
.686.197.053.020.003.001.036.004	VMT mix:	LDGV,LDGT1,LDGT2,HDGV,LDDV,LDDT,HDDV
.044 .061 .063 .066 .068 .070 .071 .071 .064 .052		LDGV 1999
.062 .056 .045 .038 .034 .029 .017 .016 .014 .011		LDGV 1999
.012 .010 .007 .005 .015		LDGV 1999
.055 .072 .070 .067 .064 .062 .060 .041 .040 .038		LDGT1 1999
.045 .050 .041 .046 .037 .033 .022 .022 .021 .015		LDGT1 1999
.019 .017 .014 .012 .036		LDGT1 1999
.065 .083 .079 .074 .071 .068 .066 .038 .030 .033		LDGT2 1999
.039 .035 .022 .034 .026 .026 .018 .021 .016 .013		LDGT2 1999
.029 .024 .022 .018 .048		LDGT2 1999
.042 .057 .057 .057 .058 .058 .058 .036 .037 .032		HDGV 1999
.028 .026 .029 .041 .044 .035 .021 .028 .024 .034		HDGV 1999
.039 .032 .026 .018 .083		HDGV 1999
.044 .061 .063 .066 .068 .070 .071 .071 .064 .052		LDDV 1999
.062 .056 .045 .038 .034 .029 .017 .016 .014 .011		LDDV 1999
.012 .010 .007 .005 .015		LDDV 1999
.055 .072 .070 .067 .064 .062 .060 .041 .040 .038		LDDT 1999
.045 .050 .041 .046 .037 .033 .022 .022 .021 .015		LDDT 1999
.019 .017 .014 .012 .036		LDDT 1999
.047 .063 .063 .061 .061 .060 .059 .016 .027 .035		HDDV 1999
.026 .030 .042 .047 .052 .041 .027 .029 .041 .046		HDDV 1999
.026 .026 .020 .010 .043		HDDV 1999
.017 .029 .037 .043 .050 .053 .055 .051 .035 .037		MC 1999
.040 .553 .000 .000 .000 .000 .000 .000 .000 .000		MC 1999
.000 .000 .000 .000 .000		MC 1999
87 20 68 89 03 03 095 1 2 2222 2111 220. 1.20 999.		I/M record strt yr
87 20 90 20 03 03 095 1 2 2222 4211 1.20 20.0 2.50		I/M 240
95 71 20 2222 12 095. 12211111		ATP record (2spd id
95 71 20 2222 12 095.		PRESURE TEST
95 90 20 2222 12 095.		PURGE TEST
El PASO-03 94.2 94.2 7.7 7.7 90		LAP rec: SCNME,MNTP
1 99 XXXX 94.2 20.6 27.3 20.6 7		RGN,CY,SPD,AMBTMP,P

**Summer 1999 El Paso County MOBILE5a Set-up
for Time Period 4**

1	PROMPT	
1	El Paso, TM4	- 1999 proj Control (1999-Includes I/M and 71-20 ATP)with CAA
1	TAMFLG	- Default: Tampering Rates
1	SPDFLG	- User Input: one speed for all vehicle types
3	VMFLAG	- User input: single VMT mix for all scenario
3	MYMFLG	- Default: AMAR, User input: Reg. Distributions
1	NEWFLG	- Default Basic ehaust rates,new fmvcp, new evap. tst
5	IMFLAG	- Uses two I/M programs and I/M prog for CAAA STD
1	ALHFLG	- No additional correction factors
8	ATPFLG	- ATP AND PRESSURE AND PURGE TEST
5	RLFLAG	- Zero-out refueling emissions
2	LOCFLG	- User input: one LAP record for all scenarios
1	TEMFLG	- MOBILE4.1 calculates exhaust tempratures
4	OUTFMT	- 112-columndescriptive format
4	PRTFLG	- Print HC, CO, and NOX emission factors
1	IDLFLG	- No idle emissions calculated or printed
3	NMHFLAG	- Print HC = Volatile organic compounds (VOC)
1	HCFLAG	- Print Total HC (overriden by prtflg)
.686.197.053.020.003.001.036.004 VMT mix: LDGV,LDGT1,LDGT2,HDGV,LDDV,LDDT,HDDV		
.044	.061	.063 .066 .068 .070 .071 .071 .064 .052 LDGV 1999
.062	.056	.045 .038 .034 .029 .017 .016 .014 .011 LDGV 1999
.012	.010	.007 .005 .015 LDGV 1999
.055	.072	.070 .067 .064 .062 .060 .041 .040 .038 LDGT1 1999
.045	.050	.041 .046 .037 .033 .022 .022 .021 .015 LDGT1 1999
.019	.017	.014 .012 .036 LDGT1 1999
.065	.083	.079 .074 .071 .068 .066 .038 .030 .033 LDGT2 1999
.039	.035	.022 .034 .026 .026 .018 .021 .016 .013 LDGT2 1999
.029	.024	.022 .018 .048 LDGT2 1999
.042	.057	.057 .057 .058 .058 .058 .036 .037 .032 HDGV 1999
.028	.026	.029 .041 .044 .035 .021 .028 .024 .034 HDGV 1999
.039	.032	.026 .018 .083 HDGV 1999
.044	.061	.063 .066 .068 .070 .071 .071 .064 .052 LDDV 1999
.062	.056	.045 .038 .034 .029 .017 .016 .014 .011 LDDV 1999
.012	.010	.007 .005 .015 LDDV 1999
.055	.072	.070 .067 .064 .062 .060 .041 .040 .038 LDDT 1999
.045	.050	.041 .046 .037 .033 .022 .022 .021 .015 LDDT 1999
.019	.017	.014 .012 .036 LDDT 1999
.047	.063	.063 .061 .061 .060 .059 .016 .027 .035 HDDV 1999
.026	.030	.042 .047 .052 .041 .027 .029 .041 .046 HDDV 1999
.026	.026	.020 .010 .043 HDDV 1999
.017	.029	.037 .043 .050 .053 .055 .051 .035 .037 MC 1999
.040	.553	.000 .000 .000 .000 .000 .000 .000 .000 MC 1999
.000	.000	.000 .000 .000 MC 1999
87	20	68 89 03 03 095 1 2 2222 2111 220. 1.20 999. I/M record strt yr
87	20	90 20 03 03 095 1 2 2222 4211 1.20 20.0 2.50 I/M 240
95	71	20 2222 12 095. 12211111 ATP record (2spd id
95	71	20 2222 12 095. PRESURE TEST
95	90	20 2222 12 095. PURGE TEST
El	PASO-03	73.6 73.6 7.7 7.7 90 LAP rec: SCNME,MNTP
1	99	XXXX 73.6 20.6 27.3 20.6 7 RGN,CY,SPD,AMBTMP,P

**Summer 1999 El Paso County MOBILE5a Set-up
for 24-Hour Diurnal Rates**

1	PROMPT	
1	EL PASO, DIURNAL	- 1999 PROJ CONTROL (1999-INCLUDES I/M AND 71-20 ATP)With CAA
1	TAMFLG	- Default: Tampering Rates
1	SPDFLG	- User Input: one speed for all vehicle types
3	VMFLAG	- User input: single VMT mix for all scenario
3	MYMFLG	- Default: AMAR, User input: Reg. Distributions
1	NEWFLG	- Default Basic exhaust rates,new fmvcp, new evap. tst
5	IMFLAG	- Uses two I/M programs and I/M prog for CAAA STD
1	ALHFLG	- No additional correction factors
8	ATPFLG	- ATP AND PRESSURE AND PURGE TEST
5	RLFLAG	- Zero-out refueling emissions
2	LOCFLG	- User input: one LAP record for all scenarios
1	TEMFLG	- MOBILE4.1 calculates exhaust tempratures
3	OUTFMT	- 112-COLUMNDESCRIPTIVE FORMAT
4	PRTFLG	- Print HC, CO, and NOX emission factors
1	IDLFLG	- No idle emissions calculated or printed
3	NMHFLG	- Print HC = Volatile organic compounds (VOC)
3	HCFLAG	- PRINT TOTAL HC (OVERRIDE BY PRTFLG)
.686	.197	.053 .020 .003 .001 .036 .004 VMT mix: LDGV,LDGT1,LDGT2,HDGV,LDDV,LDDT,HDDV
.044	.061	.063 .066 .068 .070 .071 .071 .064 .052 LDGV 1999
.062	.056	.045 .038 .034 .029 .017 .016 .014 .011 LDGV 1999
.012	.010	.007 .005 .015 LDGV 1999
.055	.072	.070 .067 .064 .062 .060 .041 .040 .038 LDGT1 1999
.045	.050	.041 .046 .037 .033 .022 .022 .021 .015 LDGT1 1999
.019	.017	.014 .012 .036 LDGT1 1999
.065	.083	.079 .074 .071 .068 .066 .038 .030 .033 LDGT2 1999
.039	.035	.022 .034 .026 .026 .018 .021 .016 .013 LDGT2 1999
.029	.024	.022 .018 .048 LDGT2 1999
.042	.057	.057 .057 .058 .058 .058 .036 .037 .032 HDGV 1999
.028	.026	.029 .041 .044 .035 .021 .028 .024 .034 HDGV 1999
.039	.032	.026 .018 .083 HDGV 1999
.044	.061	.063 .066 .068 .070 .071 .071 .064 .052 LDDV 1999
.062	.056	.045 .038 .034 .029 .017 .016 .014 .011 LDDV 1999
.012	.010	.007 .005 .015 LDDV 1999
.055	.072	.070 .067 .064 .062 .060 .041 .040 .038 LDDT 1999
.045	.050	.041 .046 .037 .033 .022 .022 .021 .015 LDDT 1999
.019	.017	.014 .012 .036 LDDT 1999
.047	.063	.063 .061 .061 .060 .059 .016 .027 .035 HDDV 1999
.026	.030	.042 .047 .052 .041 .027 .029 .041 .046 HDDV 1999
.026	.026	.020 .010 .043 HDDV 1999
.017	.029	.037 .043 .050 .053 .055 .051 .035 .037 MC 1999
.040	.553	.000 .000 .000 .000 .000 .000 .000 .000 MC 1999
.000	.000	.000 .000 .000 MC 1999
87 20 68 89 03 03 095 1 2 2222 2111 220. 1.20 999.		I/M record strt yr
87 20 90 20 03 03 095 1 2 2222 4211 1.20 20.0 2.50		I/M 240
95 71 20 2222 12 095. 12211111		ATP record (2spd id
95 71 20 2222 12 095.		PRESURE TEST
95 90 20 2222 12 095.		PURGE TEST
EL PASO-03 66.0 97.0 7.7 7.7 90		LAP REC: SCNME,MNTP
1 99 30.0 86.7 20.6 27.3 20.6 7		RGN,CY,SPD,AMBTMP,P

Winter 1998 El Paso County MOBILE5a Set-up for Time Period 1

1	PROMPT	
1	El Paso, TM1 CO Season - 1999 Proj Control Centralized (Winter Run)	
1	TAMFLG - Default: Tampering Rates	
1	SPDFLG - User input: one speed for all vehicle types	
3	VMFLAG - User input: single Vmt mix for all scenario	
3	MYMFRG - Default: AMAR, User input: Reg. Distributions	
1	NEWFLG - Default Basic exhaust rates,used.	
5	IMFLAG - Uses Two I/M programs and mobile5 models impact on emissio	
1	ALHFLG - No additional correction factors	
8	ATPFLG - ATP AND PRESSURE AND PURGE TEST	
5	RLFLAG - Zero-out refueling emissions	
2	LOCFLG - User input: one LAP record for all scenarios	
1	TEMFLG - MOBILE4.1 calculates exhaust temperatures	
4	OUTFMT - 112-column descriptive format	
4	PRTFLG - Print HC, CO and NOX emission factors	
1	IDLFLG - No idle emissions calculated or printed	
3	NMHFLG - Print HC = Volatile organic compounds (VOC)	
1	HCFLAG - Print Total HC (overridden by prtflg)	
	.686.197.053.020.003.001.036.004	VMT mix: LDGV,LDGT1,LDGT2,HDGV,LDDV,LDDT,HDDV
	.044 .061 .063 .066 .068 .070 .071 .071 .064 .052	LDGV 1999
	.062 .056 .045 .038 .034 .029 .017 .016 .014 .011	LDGV 1999
	.012 .010 .007 .005 .015	LDGV 1999
	.055 .072 .070 .067 .064 .062 .060 .041 .040 .038	LDGT1 1999
	.045 .050 .041 .046 .037 .033 .022 .022 .021 .015	LDGT1 1999
	.019 .017 .014 .012 .036	LDGT1 1999
	.065 .083 .079 .074 .071 .068 .066 .038 .030 .033	LDGT2 1999
	.039 .035 .022 .034 .026 .026 .018 .021 .016 .013	LDGT2 1999
	.029 .024 .022 .018 .048	LDGT2 1999
	.042 .057 .057 .057 .058 .058 .058 .036 .037 .032	HDGV 1999
	.028 .026 .029 .041 .044 .035 .021 .028 .024 .034	HDGV 1999
	.039 .032 .026 .018 .083	HDGV 1999
	.044 .061 .063 .066 .068 .070 .071 .071 .064 .052	LDDV 1999
	.062 .056 .045 .038 .034 .029 .017 .016 .014 .011	LDDV 1999
	.012 .010 .007 .005 .015	LDDV 1999
	.055 .072 .070 .067 .064 .062 .060 .041 .040 .038	LDDT 1999
	.045 .050 .041 .046 .037 .033 .022 .022 .021 .015	LDDT 1999
	.019 .017 .014 .012 .036	LDDT 1999
	.047 .063 .063 .061 .061 .060 .059 .016 .027 .035	HDDV 1999
	.026 .030 .042 .047 .052 .041 .027 .029 .041 .046	HDDV 1999
	.026 .026 .020 .010 .043	HDDV 1999
	.017 .029 .037 .043 .050 .053 .055 .051 .035 .037	MC 1999
	.040 .553 .000 .000 .000 .000 .000 .000 .000 .000	MC 1999
	.000 .000 .000 .000 .000	MC 1999
87	20 68 89 03 03 095 1 2 2222 2111 220. 1.20 999.	I/M record strt yr
87	20 90 20 03 03 095 1 2 2222 4211 1.20 20.0 2.50	I/M 240
95	71 20 2222 12 095. 12211111	ATP record (2spd id
95	71 20 2222 12 095.	PRESSURE TEST
95	90 20 2222 12 095.	PURGE TEST
El Paso-03-Run	B 35.6 35.6 11.6 11.6 90 1 1 1	LAP rec: SCNME,MNTM
1 99 XXXX	35.6 20.6 27.3 20.6 1	RGN,CY,SPD,AMBTMP,

**Winter 1998 El Paso County MOBILE5a Set-up
for Time Period 2**

1	PROMPT	
1	El Paso, TM2 CO Season - 1999 Proj Control Centralized (Winter Run)	
1	TAMFLG - Default: Tampering Rates	
1	SPDFLG - User input: one speed for all vehicle types	
3	VMFLAG - User input: single Vmt mix for all scenario	
3	MYMRFG - Default: AMAR, User input: Reg. Distributions	
1	NEWFLG - Default Basic exhaust rates,used.	
5	IMFLAG - Uses Two I/M programs and mobile5 models impact on emissio	
1	ALHFLG - No additional correction factors	
8	ATPFLG - ATP AND PRESSURE AND PURGE TEST	
5	RLFLAG - Zero-out refueling emissions	
2	LOCFLG - User input: one LAP record for all scenarios	
1	TEMFLG - MOBILE4.1 calculates exhaust temperatures	
4	OUTFMT - 112-column descriptive format	
4	PRTFLG - Print HC, CO and NOX emission factors	
1	IDLFLG - No idle emissions calculated or printed	
3	NMHFLG - Print HC = Volatile organic compounds (VOC)	
1	HCFLAG - Print Total HC (overridden by prtflg)	
	.686.197.053.020.003.001.036.004 VMT mix: LDGV,LDGT1,LDGT2,HDGV,LDDV,LDDT,HDDV	
	.044 .061 .063 .066 .068 .070 .071 .071 .064 .052	LDGV 1999
	.062 .056 .045 .038 .034 .029 .017 .016 .014 .011	LDGV 1999
	.012 .010 .007 .005 .015	LDGV 1999
	.055 .072 .070 .067 .064 .062 .060 .041 .040 .038	LDGT1 1999
	.045 .050 .041 .046 .037 .033 .022 .022 .021 .015	LDGT1 1999
	.019 .017 .014 .012 .036	LDGT1 1999
	.065 .083 .079 .074 .071 .068 .066 .038 .030 .033	LDGT2 1999
	.039 .035 .022 .034 .026 .026 .018 .021 .016 .013	LDGT2 1999
	.029 .024 .022 .018 .048	LDGT2 1999
	.042 .057 .057 .057 .058 .058 .058 .036 .037 .032	HDGV 1999
	.028 .026 .029 .041 .044 .035 .021 .028 .024 .034	HDGV 1999
	.039 .032 .026 .018 .083	HDGV 1999
	.044 .061 .063 .066 .068 .070 .071 .071 .064 .052	LDDV 1999
	.062 .056 .045 .038 .034 .029 .017 .016 .014 .011	LDDV 1999
	.012 .010 .007 .005 .015	LDDV 1999
	.055 .072 .070 .067 .064 .062 .060 .041 .040 .038	LDDT 1999
	.045 .050 .041 .046 .037 .033 .022 .022 .021 .015	LDDT 1999
	.019 .017 .014 .012 .036	LDDT 1999
	.047 .063 .063 .061 .061 .060 .059 .016 .027 .035	HDDV 1999
	.026 .030 .042 .047 .052 .041 .027 .029 .041 .046	HDDV 1999
	.026 .026 .020 .010 .043	HDDV 1999
	.017 .029 .037 .043 .050 .053 .055 .051 .035 .037	MC 1999
	.040 .553 .000 .000 .000 .000 .000 .000 .000 .000	MC 1999
	.000 .000 .000 .000 .000	MC 1999
87	20 68 89 03 03 095 1 2 2222 2111 220. 1.20 999.	I/M record strt yr
87	20 90 20 03 03 095 1 2 2222 4211 1.20 20.0 2.50	I/M 240
95	71 20 2222 12 095. 12211111	ATP record (2spd id
95	71 20 2222 12 095.	PRESSURE TEST
95	90 20 2222 12 095.	PURGE TEST
El Paso-03-Run	B 57.1 57.1 11.6 11.6 90 1 1 1	LAP rec: SCNME,MNTM
1 99 XXXX	57.1 20.6 27.3 20.6 1	RGN,CY,SPD,AMBTMP,

Winter 1998 El Paso County MOBILE5a Set-up for Time Period 3

1	PROMPT	
1	El Paso, TM3 CO Season - 1999 Proj Control Centralized (Winter Run)	
1	TAMFLG - Default: Tampering Rates	
1	SPDFLG - User input: one speed for all vehicle types	
3	VMFLAG - User input: single Vmt mix for all scenario	
3	MYMRFG - Default: AMAR, User input: Reg. Distributions	
1	NEWFLG - Default Basic exhaust rates,used.	
5	IMFLAG - Uses Two I/M programs and mobile5 models impact on emissio	
1	ALHFLG - No additional correction factors	
8	ATPFLG - ATP AND PRESSURE AND PURGE TEST	
5	RLFLAG - Zero-out refueling emissions	
2	LOCFLG - User input: one LAP record for all scenarios	
1	TEMFLG - MOBILE4.1 calculates exhaust temperatures	
4	OUTFMT - 112-column descriptive format	
4	PRTFLG - Print HC, CO and NOX emission factors	
1	IDLFLG - No idle emissions calculated or printed	
3	NMHFLG - Print HC = Volatile organic compounds (VOC)	
1	HCFLAG - Print Total HC (overridden by prtflg)	
.686.197.053.020.003.001.036.004	VMT mix: LDGV,LDGT1,LDGT2,HDGV,LDDV,LDDT,HDDV	
.044 .061 .063 .066 .068 .070 .071 .064 .052	LDGV 1999	
.062 .056 .045 .038 .034 .029 .017 .016 .014 .011	LDGV 1999	
.012 .010 .007 .005 .015	LDGV 1999	
.055 .072 .070 .067 .064 .062 .060 .041 .040 .038	LDGT1 1999	
.045 .050 .041 .046 .037 .033 .022 .022 .021 .015	LDGT1 1999	
.019 .017 .014 .012 .036	LDGT1 1999	
.065 .083 .079 .074 .071 .068 .066 .038 .030 .033	LDGT2 1999	
.039 .035 .022 .034 .026 .026 .018 .021 .016 .013	LDGT2 1999	
.029 .024 .022 .018 .048	LDGT2 1999	
.042 .057 .057 .057 .058 .058 .058 .036 .037 .032	HDGV 1999	
.028 .026 .029 .041 .044 .035 .021 .028 .024 .034	HDGV 1999	
.039 .032 .026 .018 .083	HDGV 1999	
.044 .061 .063 .066 .068 .070 .071 .071 .064 .052	LDDV 1999	
.062 .056 .045 .038 .034 .029 .017 .016 .014 .011	LDDV 1999	
.012 .010 .007 .005 .015	LDDV 1999	
.055 .072 .070 .067 .064 .062 .060 .041 .040 .038	LDDT 1999	
.045 .050 .041 .046 .037 .033 .022 .022 .021 .015	LDDT 1999	
.019 .017 .014 .012 .036	LDDT 1999	
.047 .063 .063 .061 .061 .060 .059 .016 .027 .035	HDDV 1999	
.026 .030 .042 .047 .052 .041 .027 .029 .041 .046	HDDV 1999	
.026 .026 .020 .010 .043	HDDV 1999	
.017 .029 .037 .043 .050 .053 .055 .051 .035 .037	MC 1999	
.040 .553 .000 .000 .000 .000 .000 .000 .000 .000	MC 1999	
.000 .000 .000 .000 .000	MC 1999	
87 20 68 89 03 03 095 1 2 2222 2111 220. 1.20 999.	I/M record strt yr	
87 20 90 20 03 03 095 1 2 2222 4211 1.20 20.0 2.50	I/M 240	
95 71 20 2222 12 095. 12211111	ATP record (2spd id	
95 71 20 2222 12 095.	PRESSURE TEST	
95 90 20 2222 12 095.	PURGE TEST	
El Paso-03-Run B 55.5 55.5 11.6 11.6 90 1 1 1	LAP rec: SCNME,MNTM	
1 99 XXXX 55.5 20.6 27.3 20.6 1	RGN,CY,SPD,AMBTMP,	

**Winter 1998 El Paso County MOBILE5a Set-up
for Time Period 4**

1	PROMPT	
1	El Paso, TM4 CO Season - 1999 Proj Control Centralized (Winter Run)	
1	TAMFLG - Default: Tampering Rates	
1	SPDFLG - User input: one speed for all vehicle types	
3	VMFLAG - User input: single Vmt mix for all scenario	
3	MYMFRG - Default: AMAR, User input: Reg. Distributions	
1	NEWFLG - Default Basic exhaust rates,used.	
5	IMFLAG - Uses Two I/M programs and mobile5 models impact on emissio	
1	ALHFLG - No additional correction factors	
8	ATPFLG - ATP AND PRESSURE AND PURGE TEST	
5	RLFLAG - Zero-out refueling emissions	
2	LOCFLG - User input: one LAP record for all scenarios	
1	TEMFLG - MOBILE4.1 calculates exhaust temperatures	
4	OUTFMT - 112-column descriptive format	
4	PRTFLG - Print HC, CO and NOX emission factors	
1	IDLFLG - No idle emissions calculated or printed	
3	NMHFLG - Print HC = Volatile organic compounds (VOC)	
1	HCFLAG - Print Total HC (overridden by prtflg)	
	.686.197.053.020.003.001.036.004	VMT mix: LDGV,LDGT1,LDGT2,HDGV,LDDV,LDDT,HDDV
	.044 .061 .063 .066 .068 .070 .071 .071 .064 .052	LDGV 1999
	.062 .056 .045 .038 .034 .029 .017 .016 .014 .011	LDGV 1999
	.012 .010 .007 .005 .015	LDGV 1999
	.055 .072 .070 .067 .064 .062 .060 .041 .040 .038	LDGT1 1999
	.045 .050 .041 .046 .037 .033 .022 .022 .021 .015	LDGT1 1999
	.019 .017 .014 .012 .036	LDGT1 1999
	.065 .083 .079 .074 .071 .068 .066 .038 .030 .033	LDGT2 1999
	.039 .035 .022 .034 .026 .026 .018 .021 .016 .013	LDGT2 1999
	.029 .024 .022 .018 .048	LDGT2 1999
	.042 .057 .057 .057 .058 .058 .058 .036 .037 .032	HDGV 1999
	.028 .026 .029 .041 .044 .035 .021 .028 .024 .034	HDGV 1999
	.039 .032 .026 .018 .083	HDGV 1999
	.044 .061 .063 .066 .068 .070 .071 .071 .064 .052	LDDV 1999
	.062 .056 .045 .038 .034 .029 .017 .016 .014 .011	LDDV 1999
	.012 .010 .007 .005 .015	LDDV 1999
	.055 .072 .070 .067 .064 .062 .060 .041 .040 .038	LDDT 1999
	.045 .050 .041 .046 .037 .033 .022 .022 .021 .015	LDDT 1999
	.019 .017 .014 .012 .036	LDDT 1999
	.047 .063 .063 .061 .061 .060 .059 .016 .027 .035	HDDV 1999
	.026 .030 .042 .047 .052 .041 .027 .029 .041 .046	HDDV 1999
	.026 .026 .020 .010 .043	HDDV 1999
	.017 .029 .037 .043 .050 .053 .055 .051 .035 .037	MC 1999
	.040 .553 .000 .000 .000 .000 .000 .000 .000 .000	MC 1999
	.000 .000 .000 .000 .000	MC 1999
87	20 68 89 03 03 095 1 2 2222 2111 220. 1.20 999.	I/M record strt yr
87	20 90 20 03 03 095 1 2 2222 4211 1.20 20.0 2.50	I/M 240
95	71 20 2222 12 095. 12211111	ATP record (2spd id
95	71 20 2222 12 095.	PRESSURE TEST
95	90 20 2222 12 095.	PURGE TEST
El Paso-03-Run	B 34.7 34.7 11.6 11.6 90 1 1 1	LAP rec: SCNME,MNTM
1 99 XXXX	34.7 20.6 27.3 20.6 1	RGN,CY,SPD,AMBTMP,

**Summer 2005 El Paso County MOBILE5a Set-up
for Time Period 1**

1	PROMPT	
1	EL PASO, TM1	- 2005 PROJ CONTROL (2005-INCLUDES I/M AND 71-20 ATP)With CAA
1	TAMFLG	- Default: Tampering Rates
1	SPDFLG	- User Input: one speed for all vehicle types
3	VMFLAG	- User input: single VMT mix for all scenario
3	MYMFLG	- Default: AMAR, User input: Reg. Distributions
1	NEWFLG	- Default Basic ehaust rates,new fmvcp, new evap. tst
5	IMFLAG	- Uses two I/M programs and I/M prog for CAAA STD
1	ALHFLG	- No additional correction factors
8	ATPFLG	- ATP AND PRESSURE AND PURGE TEST
5	RLFLAG	- Zero-out refueling emissions
2	LOCFLG	- User input: one LAP record for all scenarios
1	TEMFLG	- MOBILE4.1 calculates exhaust tempratures
4	OUTFMT	- 112-columndescriptive format
4	PRTFLG	- Print HC, CO, and NOX emission factors
1	IDLFLG	- No idle emissions calculated or printed
3	NMHFLG	- Print HC = Volatile organic compounds (VOC)
1	HCFLAG	- Print Total HC (overriden by prtflg)
.686	.197	.053 .020 .003 .001 .036 .004 VMT mix: LDGV,LDGT1,LDGT2,HDGV,LDDV,LDDT,HDDV
.044	.061	.063 .066 .068 .070 .071 .071 .064 .052 LDGV 1999
.062	.056	.045 .038 .034 .029 .017 .016 .014 .011 LDGV 1999
.012	.010	.007 .005 .015 LDGV 1999
.055	.072	.070 .067 .064 .062 .060 .041 .040 .038 LDGT1 1999
.045	.050	.041 .046 .037 .033 .022 .022 .021 .015 LDGT1 1999
.019	.017	.014 .012 .036 LDGT1 1999
.065	.083	.079 .074 .071 .068 .066 .038 .030 .033 LDGT2 1999
.039	.035	.022 .034 .026 .026 .018 .021 .016 .013 LDGT2 1999
.029	.024	.022 .018 .048 LDGT2 1999
.042	.057	.057 .057 .058 .058 .058 .036 .037 .032 HDGV 1999
.028	.026	.029 .041 .044 .035 .021 .028 .024 .034 HDGV 1999
.039	.032	.026 .018 .083 HDGV 1999
.044	.061	.063 .066 .068 .070 .071 .071 .064 .052 LDDV 1999
.062	.056	.045 .038 .034 .029 .017 .016 .014 .011 LDDV 1999
.012	.010	.007 .005 .015 LDDV 1999
.055	.072	.070 .067 .064 .062 .060 .041 .040 .038 LDDT 1999
.045	.050	.041 .046 .037 .033 .022 .022 .021 .015 LDDT 1999
.019	.017	.014 .012 .036 LDDT 1999
.047	.063	.063 .061 .061 .060 .059 .016 .027 .035 HDDV 1999
.026	.030	.042 .047 .052 .041 .027 .029 .041 .046 HDDV 1999
.026	.026	.020 .010 .043 HDDV 1999
.017	.029	.037 .043 .050 .053 .055 .051 .035 .037 MC 1999
.040	.553	.000 .000 .000 .000 .000 .000 .000 .000 MC 1999
.000	.000	.000 .000 .000 MC 1999
87	20	68 89 03 03 095 1 2 2222 2111 220. 1.20 999. I/M record strt yr
87	20	90 20 03 03 095 1 2 2222 4211 1.20 20.0 2.50 I/M 240
95	71	20 2222 12 095. 12211111 ATP record (2spd id
95	71	20 2222 12 095. PRESURE TEST
95	90	20 2222 12 095. PURGE TEST
El	PASO-03	76.5 76.5 7.7 7.7 90 LAP rec: SCNME,MNTP
1	05	XXXX 76.5 20.6 27.3 20.6 7 RGN,CY,SPD,AMBTMP,P

**Summer 2005 El Paso County MOBILE5a Set-up
for Time Period 2**

1	PROMPT	
1	EL PASO, TM2	- 2005 PROJ CONTROL (2005-INCLUDES I/M AND 71-20 ATP)With CAA
1	TAMFLG	- Default: Tampering Rates
1	SPDFLG	- User Input: one speed for all vehicle types
3	VMFLAG	- User input: single VMT mix for all scenario
3	MYMFLG	- Default: AMAR, User input: Reg. Distributions
1	NEWFLG	- Default Basic exhaust rates,new fmvcp, new evap. tst
5	IMFLAG	- Uses two I/M programs and I/M prog for CAAA STD
1	ALHFLG	- No additional correction factors
8	ATPFLG	- ATP AND PRESSURE AND PURGE TEST
5	RLFLAG	- Zero-out refueling emissions
2	LOCFLG	- User input: one LAP record for all scenarios
1	TEMFLG	- MOBILE4.1 calculates exhaust tempratures
4	OUTFMT	- 112-columndescriptive format
4	PRTFLG	- Print HC, CO, and NOX emission factors
1	IDLFLG	- No idle emissions calculated or printed
3	NMHFLG	- Print HC = Volatile organic compounds (VOC)
1	HCFLAG	- Print Total HC (overriden by prtflg)
.686.197.053.020.003.001.036.004	VMT mix:	LDGV,LDGT1,LDGT2,HDGV,LDDV,LDDT,HDDV
.044 .061 .063 .066 .068 .070 .071 .071 .064 .052		LDGV 1999
.062 .056 .045 .038 .034 .029 .017 .016 .014 .011		LDGV 1999
.012 .010 .007 .005 .015		LDGV 1999
.055 .072 .070 .067 .064 .062 .060 .041 .040 .038		LDGT1 1999
.045 .050 .041 .046 .037 .033 .022 .022 .021 .015		LDGT1 1999
.019 .017 .014 .012 .036		LDGT1 1999
.065 .083 .079 .074 .071 .068 .066 .038 .030 .033		LDGT2 1999
.039 .035 .022 .034 .026 .026 .018 .021 .016 .013		LDGT2 1999
.029 .024 .022 .018 .048		LDGT2 1999
.042 .057 .057 .057 .058 .058 .058 .036 .037 .032		HDGV 1999
.028 .026 .029 .041 .044 .035 .021 .028 .024 .034		HDGV 1999
.039 .032 .026 .018 .083		HDGV 1999
.044 .061 .063 .066 .068 .070 .071 .071 .064 .052		LDDV 1999
.062 .056 .045 .038 .034 .029 .017 .016 .014 .011		LDDV 1999
.012 .010 .007 .005 .015		LDDV 1999
.055 .072 .070 .067 .064 .062 .060 .041 .040 .038		LDDT 1999
.045 .050 .041 .046 .037 .033 .022 .022 .021 .015		LDDT 1999
.019 .017 .014 .012 .036		LDDT 1999
.047 .063 .063 .061 .061 .060 .059 .016 .027 .035		HDDV 1999
.026 .030 .042 .047 .052 .041 .027 .029 .041 .046		HDDV 1999
.026 .026 .020 .010 .043		HDDV 1999
.017 .029 .037 .043 .050 .053 .055 .051 .035 .037		MC 1999
.040 .553 .000 .000 .000 .000 .000 .000 .000 .000		MC 1999
.000 .000 .000 .000 .000		MC 1999
87 20 68 89 03 03 095 1 2 2222 2111 220. 1.20 999.		I/M record strt yr
87 20 90 20 03 03 095 1 2 2222 4211 1.20 20.0 2.50		I/M 240
95 71 20 2222 12 095. 12211111		ATP record (2spd id
95 71 20 2222 12 095.		PRESURE TEST
95 90 20 2222 12 095.		PURGE TEST
EL PASO-03 92.7 92.7 7.7 7.7 90		LAP rec: SCNME,MNTP
1 05 XXXX 92.7 20.6 27.3 20.6 7		RGN,CY,SPD,AMBTMP,P

**Summer 2005 El Paso County MOBILE5a Set-up
for Time Period 3**

1	PROMPT													
1	EL PASO, TM3	- 2005 PROJ CONTROL (2005-INCLUDES I/M AND 71-20 ATP)With CAA												
1	TAMFLG	- Default: Tampering Rates												
1	SPDFLG	- User Input: one speed for all vehicle types												
3	VMFLAG	- User input: single VMT mix for all scenario												
3	MYMRFG	- Default: AMAR, User input: Reg. Distributions												
1	NEWFLG	- Default Basic exhaust rates,new fmvcp, new evap. tst												
5	IMFLAG	- Uses two I/M programs and I/M prog for CAAA STD												
1	ALHFLG	- No additional correction factors												
8	ATPFLG	- ATP AND PRESSURE AND PURGE TEST												
5	RLFLAG	- Zero-out refueling emissions												
2	LOCFLG	- User input: one LAP record for all scenarios												
1	TEMFLG	- MOBILE4.1 calculates exhaust tempratures												
4	OUTFMT	- 112-columndescriptive format												
4	PRTFLG	- Print HC, CO, and NOX emission factors												
1	IDLFLG	- No idle emissions calculated or printed												
3	NMHFLG	- Print HC = Volatile organic compounds (VOC)												
1	HCFLAG	- Print Total HC (overriden by prtflg)												
.686.	.197.	.053.	.020.	.003.	.001.	.036.	.004	VMT mix: LDGV,LDGT1,LDGT2,HDGV,LDDV,LDDT,HDDV						
.044	.061	.063	.066	.068	.070	.071	.071	.064	.052	LDGV	1999			
.062	.056	.045	.038	.034	.029	.017	.016	.014	.011	LDGV	1999			
.012	.010	.007	.005	.015						LDGV	1999			
.055	.072	.070	.067	.064	.062	.060	.041	.040	.038	LDGT1	1999			
.045	.050	.041	.046	.037	.033	.022	.022	.021	.015	LDGT1	1999			
.019	.017	.014	.012	.036						LDGT1	1999			
.065	.083	.079	.074	.071	.068	.066	.038	.030	.033	LDGT2	1999			
.039	.035	.022	.034	.026	.026	.018	.021	.016	.013	LDGT2	1999			
.029	.024	.022	.018	.048						LDGT2	1999			
.042	.057	.057	.057	.058	.058	.058	.036	.037	.032	HDGV	1999			
.028	.026	.029	.041	.044	.035	.021	.028	.024	.034	HDGV	1999			
.039	.032	.026	.018	.083						HDGV	1999			
.044	.061	.063	.066	.068	.070	.071	.071	.064	.052	LDDV	1999			
.062	.056	.045	.038	.034	.029	.017	.016	.014	.011	LDDV	1999			
.012	.010	.007	.005	.015						LDDV	1999			
.055	.072	.070	.067	.064	.062	.060	.041	.040	.038	LDDT	1999			
.045	.050	.041	.046	.037	.033	.022	.022	.021	.015	LDDT	1999			
.019	.017	.014	.012	.036						LDDT	1999			
.047	.063	.063	.061	.061	.060	.059	.016	.027	.035	HDDV	1999			
.026	.030	.042	.047	.052	.041	.027	.029	.041	.046	HDDV	1999			
.026	.026	.020	.010	.043						HDDV	1999			
.017	.029	.037	.043	.050	.053	.055	.051	.035	.037	MC	1999			
.040	.553	.000	.000	.000	.000	.000	.000	.000	.000	MC	1999			
.000	.000	.000	.000	.000						MC	1999			
87	20	68	89	03	03	095	1	2	2222	2111	220.	1.20	999.	I/M record strt yr
87	20	90	20	03	03	095	1	2	2222	4211	1.20	20.0	2.50	I/M 240
95	71	20	2222	12	095.	12211111								ATP record (2spd id
95	71	20	2222	12	095.									PRESURE TEST
95	90	20	2222	12	095.									PURGE TEST
EL PASO-03					94.2	94.2	7.7	7.7	90					LAP rec: SCNME,MNTP
1	05	XXXX	94.2	20.6	27.3	20.6	7							RGN,CY,SPD,AMBTMP,P

**Summer 2005 El Paso County MOBILE5a Set-up
for Time Period 4**

1	PROMPT	
1	EL PASO, TM4	- 2005 PROJ CONTROL (2005-INCLUDES I/M AND 71-20 ATP)With CAA
1	TAMFLG	- Default: Tampering Rates
1	SPDFLG	- User Input: one speed for all vehicle types
3	VMFLAG	- User input: single VMT mix for all scenario
3	MYMRFG	- Default: AMAR, User input: Reg. Distributions
1	NEWFLG	- Default Basic exhaust rates,new fmvcp, new evap. tst
5	IMFLAG	- Uses two I/M programs and I/M prog for CAAA STD
1	ALHFLG	- No additional correction factors
8	ATPFLG	- ATP AND PRESSURE AND PURGE TEST
5	RLFLAG	- Zero-out refueling emissions
2	LOCFLG	- User input: one LAP record for all scenarios
1	TEMFLG	- MOBILE4.1 calculates exhaust tempratures
4	OUTFMT	- 112-columndescriptive format
4	PRTFLG	- Print HC, CO, and NOX emission factors
1	IDLFLG	- No idle emissions calculated or printed
3	NMHFLG	- Print HC = Volatile organic compounds (VOC)
1	HCFLAG	- Print Total HC (overriden by prtflg)
.686.197.053.020.003.001.036.004	VMT mix:	LDGV,LDGT1,LDGT2,HDGV,LDDV,LDDT,HDDV
.044 .061 .063 .066 .068 .070 .071 .071 .064 .052		LDGV 1999
.062 .056 .045 .038 .034 .029 .017 .016 .014 .011		LDGV 1999
.012 .010 .007 .005 .015		LDGV 1999
.055 .072 .070 .067 .064 .062 .060 .041 .040 .038		LDGT1 1999
.045 .050 .041 .046 .037 .033 .022 .022 .021 .015		LDGT1 1999
.019 .017 .014 .012 .036		LDGT1 1999
.065 .083 .079 .074 .071 .068 .066 .038 .030 .033		LDGT2 1999
.039 .035 .022 .034 .026 .026 .018 .021 .016 .013		LDGT2 1999
.029 .024 .022 .018 .048		LDGT2 1999
.042 .057 .057 .057 .058 .058 .058 .036 .037 .032		HDGV 1999
.028 .026 .029 .041 .044 .035 .021 .028 .024 .034		HDGV 1999
.039 .032 .026 .018 .083		HDGV 1999
.044 .061 .063 .066 .068 .070 .071 .071 .064 .052		LDDV 1999
.062 .056 .045 .038 .034 .029 .017 .016 .014 .011		LDDV 1999
.012 .010 .007 .005 .015		LDDV 1999
.055 .072 .070 .067 .064 .062 .060 .041 .040 .038		LDDT 1999
.045 .050 .041 .046 .037 .033 .022 .022 .021 .015		LDDT 1999
.019 .017 .014 .012 .036		LDDT 1999
.047 .063 .063 .061 .061 .060 .059 .016 .027 .035		HDDV 1999
.026 .030 .042 .047 .052 .041 .027 .029 .041 .046		HDDV 1999
.026 .026 .020 .010 .043		HDDV 1999
.017 .029 .037 .043 .050 .053 .055 .051 .035 .037		MC 1999
.040 .553 .000 .000 .000 .000 .000 .000 .000 .000		MC 1999
.000 .000 .000 .000 .000		MC 1999
87 20 68 89 03 03 095 1 2 2222 2111 220. 1.20 999.		I/M record strt yr
87 20 90 20 03 03 095 1 2 2222 4211 1.20 20.0 2.50		I/M 240
95 71 20 2222 12 095. 12211111		ATP record (2spd id
95 71 20 2222 12 095.		PRESURE TEST
95 90 20 2222 12 095.		PURGE TEST
EL PASO-03	73.6 73.6 7.7 7.7 90	LAP rec: SCNME,MNTP
1 05 XXXX	73.6 20.6 27.3 20.6 7	RGN,CY,SPD,AMBTMP,P

**Summer 2005 El Paso County MOBILE5a Set-up
for 24-Hour Diurnal Rates**

1	PROMPT	
1	EL PASO, DIURNAL	- 2005 PROJ CONTROL (2005-INCLUDES I/M AND 71-20 ATP)With CAA
1	TAMFLG	- Default: Tampering Rates
1	SPDFLG	- User Input: one speed for all vehicle types
3	VMFLAG	- User input: single VMT mix for all scenario
3	MYMRFG	- Default: AMAR, User input: Reg. Distributions
1	NEWFLG	- Default Basic exhaust rates,new fmvcp, new evap. tst
5	IMFLAG	- Uses two I/M programs and I/M prog for CAAA STD
1	ALHFLG	- No additional correction factors
8	ATPFLG	- ATP AND PRESSURE AND PURGE TEST
5	RLFLAG	- Zero-out refueling emissions
2	LOCFLG	- User input: one LAP record for all scenarios
1	TEMFLG	- MOBILE4.1 calculates exhaust tempratures
3	OUTFMT	- 112-COLUMNDESCRIPTIVE FORMAT
4	PRTFLG	- Print HC, CO, and NOX emission factors
1	IDLFLG	- No idle emissions calculated or printed
3	NMHFLG	- Print HC = Volatile organic compounds (VOC)
3	HCFLAG	- PRINT TOTAL HC (OVERRIDE BY PRTFLG)
	.686.197.053.020.003.001.036.004	VMT mix: LDGV,LDGT1,LDGT2,HDGV,LDDV,LDDT,HDDV
	.044 .061 .063 .066 .068 .070 .071 .071 .064 .052	LDGV 1999
	.062 .056 .045 .038 .034 .029 .017 .016 .014 .011	LDGV 1999
	.012 .010 .007 .005 .015	LDGV 1999
	.055 .072 .070 .067 .064 .062 .060 .041 .040 .038	LDGT1 1999
	.045 .050 .041 .046 .037 .033 .022 .022 .021 .015	LDGT1 1999
	.019 .017 .014 .012 .036	LDGT1 1999
	.065 .083 .079 .074 .071 .068 .066 .038 .030 .033	LDGT2 1999
	.039 .035 .022 .034 .026 .026 .018 .021 .016 .013	LDGT2 1999
	.029 .024 .022 .018 .048	LDGT2 1999
	.042 .057 .057 .057 .058 .058 .058 .036 .037 .032	HDGV 1999
	.028 .026 .029 .041 .044 .035 .021 .028 .024 .034	HDGV 1999
	.039 .032 .026 .018 .083	HDGV 1999
	.044 .061 .063 .066 .068 .070 .071 .071 .064 .052	LDDV 1999
	.062 .056 .045 .038 .034 .029 .017 .016 .014 .011	LDDV 1999
	.012 .010 .007 .005 .015	LDDV 1999
	.055 .072 .070 .067 .064 .062 .060 .041 .040 .038	LDDT 1999
	.045 .050 .041 .046 .037 .033 .022 .022 .021 .015	LDDT 1999
	.019 .017 .014 .012 .036	LDDT 1999
	.047 .063 .063 .061 .061 .060 .059 .016 .027 .035	HDDV 1999
	.026 .030 .042 .047 .052 .041 .027 .029 .041 .046	HDDV 1999
	.026 .026 .020 .010 .043	HDDV 1999
	.017 .029 .037 .043 .050 .053 .055 .051 .035 .037	MC 1999
	.040 .553 .000 .000 .000 .000 .000 .000 .000 .000	MC 1999
	.000 .000 .000 .000 .000	MC 1999
87 20 68 89 03 03 095 1 2 2222 2111 220. 1.20 999.		I/M record strt yr
87 20 90 20 03 03 095 1 2 2222 4211 1.20 20.0 2.50		I/M 240
95 71 20 2222 12 095. 12211111		ATP record (2spd id
95 71 20 2222 12 095.		PRESURE TEST
95 90 20 2222 12 095.		PURGE TEST
EL PASO-03 66.0 97.0 7.7 7.7 90		LAP REC: SCNME,MNTP
1 05 30.0 86.7 20.6 27.3 20.6 7		RGN,CY,SPD,AMBTMP,P

**Winter 2005 El Paso County MOBILE5a Set-up
for Time Period 1**

1	PROMPT	
1	EL PASO, TM1 CO SEASON - 2005 PROJ CONTROL CENTRALIZED (WINTER RUN)	
1	TAMFLG - Default: Tampering Rates	
1	SPDFLG - User input: one speed for all vehicle types	
3	VMFLAG - User input: single Vmt mix for all scenario	
3	MYMRFG - Default: AMAR, User input: Reg. Distributions	
1	NEWFLG - Default Basic exhaust rates,used.	
5	IMFLAG - Uses Two I/M programs and mobile5 models impact on emissio	
1	ALHFLG - No additional correction factors	
8	ATPFLG - ATP AND PRESSURE AND PURGE TEST	
5	RLFLAG - Zero-out refueling emissions	
2	LOCFLG - User input: one LAP record for all scenarios	
1	TEMFLG - MOBILE4.1 calculates exhaust temperatures	
4	OUTFMT - 112-column descriptive format	
4	PRTFGL - Print HC, CO and NOX emission factors	
1	IDLFLG - No idle emissions calculated or printed	
3	NMHFLG - Print HC = Volatile organic compounds (VOC)	
1	HCFGLG - Print Total HC (overridden by prtflg)	
	.686.197.053.020.003.001.036.004 VMT mix: LDGV,LDGT1,LDGT2,HDGV,LDDV,LDDT,HDDV	
	.044 .061 .063 .066 .068 .070 .071 .071 .064 .052	LDGV 1999
	.062 .056 .045 .038 .034 .029 .017 .016 .014 .011	LDGV 1999
	.012 .010 .007 .005 .015	LDGV 1999
	.055 .072 .070 .067 .064 .062 .060 .041 .040 .038	LDGT1 1999
	.045 .050 .041 .046 .037 .033 .022 .022 .021 .015	LDGT1 1999
	.019 .017 .014 .012 .036	LDGT1 1999
	.065 .083 .079 .074 .071 .068 .066 .038 .030 .033	LDGT2 1999
	.039 .035 .022 .034 .026 .026 .018 .021 .016 .013	LDGT2 1999
	.029 .024 .022 .018 .048	LDGT2 1999
	.042 .057 .057 .057 .058 .058 .058 .036 .037 .032	HDGV 1999
	.028 .026 .029 .041 .044 .035 .021 .028 .024 .034	HDGV 1999
	.039 .032 .026 .018 .083	HDGV 1999
	.044 .061 .063 .066 .068 .070 .071 .071 .064 .052	LDDV 1999
	.062 .056 .045 .038 .034 .029 .017 .016 .014 .011	LDDV 1999
	.012 .010 .007 .005 .015	LDDV 1999
	.055 .072 .070 .067 .064 .062 .060 .041 .040 .038	LDDT 1999
	.045 .050 .041 .046 .037 .033 .022 .022 .021 .015	LDDT 1999
	.019 .017 .014 .012 .036	LDDT 1999
	.047 .063 .063 .061 .061 .060 .059 .016 .027 .035	HDDV 1999
	.026 .030 .042 .047 .052 .041 .027 .029 .041 .046	HDDV 1999
	.026 .026 .020 .010 .043	HDDV 1999
	.017 .029 .037 .043 .050 .053 .055 .051 .035 .037	MC 1999
	.040 .553 .000 .000 .000 .000 .000 .000 .000 .000	MC 1999
	.000 .000 .000 .000 .000	MC 1999
87 20 68 89 03 03 095 1 2 2222 2111 220. 1.20 999.	I/M record strt yr	
87 20 90 20 03 03 095 1 2 2222 4211 1.20 20.0 2.50	I/M 240	
95 71 20 2222 12 095. 12211111	ATP record (2spd id	
95 71 20 2222 12 095.	PRESSURE TEST	
95 90 20 2222 12 095.	PURGE TEST	
El Paso-03-Run B 35.6 35.6 11.6 11.6 90 1 1 1	LAP rec: SCNME,MNTM	
1 05 XXXX 35.6 20.6 27.3 20.6 1	RGN,CY,SPD,AMBTMP,	

**Winter 2005 El Paso County MOBILE5a Set-up
for Time Period 2**

1	PROMPT	
1	EL PASO, TM2 CO SEASON - 2005 PROJ CONTROL CENTRALIZED (WINTER RUN)	
1	TAMFLG - Default: Tampering Rates	
1	SPDFLG - User input: one speed for all vehicle types	
3	VMFLAG - User input: single Vmt mix for all scenario	
3	MYMFLG - Default: AMAR, User input: Reg. Distributions	
1	NEWFLG - Default Basic exhaust rates,used.	
5	IMFLAG - Uses Two I/M programs and mobile5 models impact on emissio	
1	ALHFLG - No additional correction factors	
8	ATPFLG - ATP AND PRESSURE AND PURGE TEST	
5	RLFLAG - Zero-out refueling emissions	
2	LOCFLG - User input: one LAP record for all scenarios	
1	TEMFLG - MOBILE4.1 calculates exhaust temperatures	
4	OUTFMT - 112-column descriptive format	
4	PRTFLG - Print HC, CO and NOX emission factors	
1	IDLFLG - No idle emissions calculated or printed	
3	NMHFLG - Print HC = Volatile organic compounds (VOC)	
1	HCFLAG - Print Total HC (overridden by prtflg)	
	.686.197.053.020.003.001.036.004 VMT mix: LDGV,LDGT1,LDGT2,HDGV,LDDV,LDDT,HDDV	
	.044 .061 .063 .066 .068 .070 .071 .071 .064 .052	LDGV 1999
	.062 .056 .045 .038 .034 .029 .017 .016 .014 .011	LDGV 1999
	.012 .010 .007 .005 .015	LDGV 1999
	.055 .072 .070 .067 .064 .062 .060 .041 .040 .038	LDGT1 1999
	.045 .050 .041 .046 .037 .033 .022 .022 .021 .015	LDGT1 1999
	.019 .017 .014 .012 .036	LDGT1 1999
	.065 .083 .079 .074 .071 .068 .066 .038 .030 .033	LDGT2 1999
	.039 .035 .022 .034 .026 .026 .018 .021 .016 .013	LDGT2 1999
	.029 .024 .022 .018 .048	LDGT2 1999
	.042 .057 .057 .057 .058 .058 .058 .036 .037 .032	HDGV 1999
	.028 .026 .029 .041 .044 .035 .021 .028 .024 .034	HDGV 1999
	.039 .032 .026 .018 .083	HDGV 1999
	.044 .061 .063 .066 .068 .070 .071 .071 .064 .052	LDDV 1999
	.062 .056 .045 .038 .034 .029 .017 .016 .014 .011	LDDV 1999
	.012 .010 .007 .005 .015	LDDV 1999
	.055 .072 .070 .067 .064 .062 .060 .041 .040 .038	LDDT 1999
	.045 .050 .041 .046 .037 .033 .022 .022 .021 .015	LDDT 1999
	.019 .017 .014 .012 .036	LDDT 1999
	.047 .063 .063 .061 .061 .060 .059 .016 .027 .035	HDDV 1999
	.026 .030 .042 .047 .052 .041 .027 .029 .041 .046	HDDV 1999
	.026 .026 .020 .010 .043	HDDV 1999
	.017 .029 .037 .043 .050 .053 .055 .051 .035 .037	MC 1999
	.040 .553 .000 .000 .000 .000 .000 .000 .000 .000	MC 1999
	.000 .000 .000 .000 .000	MC 1999
87	20 68 89 03 03 095 1 2 2222 2111 220. 1.20 999.	I/M record strt yr
87	20 90 20 03 03 095 1 2 2222 4211 1.20 20.0 2.50	I/M 240
95	71 20 2222 12 095. 12211111	ATP record (2spd id
95	71 20 2222 12 095.	PRESSURE TEST
95	90 20 2222 12 095.	PURGE TEST
El Paso-03-Run	B 57.1 57.1 11.6 11.6 90 1 1 1	LAP rec: SCNME,MNTM
1 05 XXXX	57.1 20.6 27.3 20.6 1	RGN,CY,SPD,AMBTMP,

Winter 2005 El Paso County MOBILE5a Set-up for Time Period 3

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1          PROMPT
1 EL PASO,  TM3  CO SEASON - 2005 PROJ CONTROL CENTRALIZED (WINTER RUN)
1          TAMFLG - Default: Tampering Rates
1          SPDFLG - User input: one speed for all vehicle types
3          VMFLAG - User input: single Vmt mix for all scenario
3          MYMRFG - Default: AMAR, User input: Reg. Distributions
1          NEWFLG - Default Basic exhaust rates,used.
5          IMFLAG - Uses Two I/M programs and mobile5 models impact on emissio
1          ALHFLG - No additional correction factors
8          ATPFLG - ATP AND PRESSURE AND PURGE TEST
5          RLFLAG - Zero-out refueling emissions
2          LOCFLG - User input: one LAP record for all scenarios
1          TEMFLG - MOBILE4.1 calculates exhaust temperatures
4          OUTFMT - 112-column descriptive format
4          PRTFMG - Print HC, CO and NOX emission factors
1          IDLFLG - No idle emissions calculated or printed
3          NMHFLG - Print HC = Volatile organic compounds (VOC)
1          HCFLAG - Print Total HC (overridden by prtflg)
.686.197.053.020.003.001.036.004 VMT mix: LDGV,LDGT1,LDGT2,HDGV,LDDV,LDDT,HDDV
.044 .061 .063 .066 .068 .070 .071 .071 .064 .052 LDGV 1999
.062 .056 .045 .038 .034 .029 .017 .016 .014 .011 LDGV 1999
.012 .010 .007 .005 .015 LDGV 1999
.055 .072 .070 .067 .064 .062 .060 .041 .040 .038 LDGT1 1999
.045 .050 .041 .046 .037 .033 .022 .022 .021 .015 LDGT1 1999
.019 .017 .014 .012 .036 LDGT1 1999
.065 .083 .079 .074 .071 .068 .066 .038 .030 .033 LDGT2 1999
.039 .035 .022 .034 .026 .026 .018 .021 .016 .013 LDGT2 1999
.029 .024 .022 .018 .048 LDGT2 1999
.042 .057 .057 .057 .058 .058 .058 .036 .037 .032 HDGV 1999
.028 .026 .029 .041 .044 .035 .021 .028 .024 .034 HDGV 1999
.039 .032 .026 .018 .083 HDGV 1999
.044 .061 .063 .066 .068 .070 .071 .071 .064 .052 LDDV 1999
.062 .056 .045 .038 .034 .029 .017 .016 .014 .011 LDDV 1999
.012 .010 .007 .005 .015 LDDV 1999
.055 .072 .070 .067 .064 .062 .060 .041 .040 .038 LDDT 1999
.045 .050 .041 .046 .037 .033 .022 .022 .021 .015 LDDT 1999
.019 .017 .014 .012 .036 LDDT 1999
.047 .063 .063 .061 .061 .060 .059 .016 .027 .035 HDDV 1999
.026 .030 .042 .047 .052 .041 .027 .029 .041 .046 HDDV 1999
.026 .026 .020 .010 .043 HDDV 1999
.017 .029 .037 .043 .050 .053 .055 .051 .035 .037 MC 1999
.040 .553 .000 .000 .000 .000 .000 .000 .000 .000 MC 1999
.000 .000 .000 .000 .000 MC 1999
87 20 68 89 03 03 095 1 2 2222 2111 220. 1.20 999. I/M record strt yr
87 20 90 20 03 03 095 1 2 2222 4211 1.20 20.0 2.50 I/M 240
95 71 20 2222 12 095. 12211111 ATP record (2spd id
95 71 20 2222 12 095. PRESSURE TEST
95 90 20 2222 12 095. PURGE TEST
El Paso-03-Run B 55.5 55.5 11.6 11.6 90 1 1 1 LAP rec: SCNME,MNTM
1 05 XXXX 55.5 20.6 27.3 20.6 1 RGN,CY,SPD,AMBTMP,

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**Winter 2005 El Paso County MOBILE5a Set-up
for Time Period 4**

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1 PROMPT
1 EL PASO, TM4 CO SEASON - 2005 PROJ CONTROL CENTRALIZED (WINTER RUN)
1 TAMFLG - Default: Tampering Rates
1 SPDFLG - User input: one speed for all vehicle types
3 VMFLAG - User input: single Vmt mix for all scenario
3 MYMRFG - Default: AMAR, User input: Reg. Distributions
1 NEWFLG - Default Basic exhaust rates,used.
5 IMFLAG - Uses Two I/M programs and mobile5 models impact on emissio
1 ALHFLG - No additional correction factors
8 ATPFLG - ATP AND PRESSURE AND PURGE TEST
5 RLFLAG - Zero-out refueling emissions
2 LOCFLG - User input: one LAP record for all scenarios
1 TEMFLG - MOBILE4.1 calculates exhaust temperatures
4 OUTFMT - 112-column descriptive format
4 PRTFGL - Print HC, CO and NOX emission factors
1 IDLFLG - No idle emissions calculated or printed
3 NMHFLG - Print HC = Volatile organic compounds (VOC)
1 HCFLAG - Print Total HC (overridden by prtflg)
.686.197.053.020.003.001.036.004 VMT mix: LDGV,LDGT1,LDGT2,HDGV,LDDV,LDDT,HDDV
.044 .061 .063 .066 .068 .070 .071 .071 .064 .052 LDGV 1999
.062 .056 .045 .038 .034 .029 .017 .016 .014 .011 LDGV 1999
.012 .010 .007 .005 .015 LDGV 1999
.055 .072 .070 .067 .064 .062 .060 .041 .040 .038 LDGT1 1999
.045 .050 .041 .046 .037 .033 .022 .022 .021 .015 LDGT1 1999
.019 .017 .014 .012 .036 LDGT1 1999
.065 .083 .079 .074 .071 .068 .066 .038 .030 .033 LDGT2 1999
.039 .035 .022 .034 .026 .026 .018 .021 .016 .013 LDGT2 1999
.029 .024 .022 .018 .048 LDGT2 1999
.042 .057 .057 .057 .058 .058 .058 .036 .037 .032 HDGV 1999
.028 .026 .029 .041 .044 .035 .021 .028 .024 .034 HDGV 1999
.039 .032 .026 .018 .083 HDGV 1999
.044 .061 .063 .066 .068 .070 .071 .071 .064 .052 LDDV 1999
.062 .056 .045 .038 .034 .029 .017 .016 .014 .011 LDDV 1999
.012 .010 .007 .005 .015 LDDV 1999
.055 .072 .070 .067 .064 .062 .060 .041 .040 .038 LDDT 1999
.045 .050 .041 .046 .037 .033 .022 .022 .021 .015 LDDT 1999
.019 .017 .014 .012 .036 LDDT 1999
.047 .063 .063 .061 .061 .060 .059 .016 .027 .035 HDDV 1999
.026 .030 .042 .047 .052 .041 .027 .029 .041 .046 HDDV 1999
.026 .026 .020 .010 .043 HDDV 1999
.017 .029 .037 .043 .050 .053 .055 .051 .035 .037 MC 1999
.040 .553 .000 .000 .000 .000 .000 .000 .000 .000 MC 1999
.000 .000 .000 .000 .000 MC 1999
87 20 68 89 03 03 095 1 2 2222 2111 220. 1.20 999. I/M record strt yr
87 20 90 20 03 03 095 1 2 2222 4211 1.20 20.0 2.50 I/M 240
95 71 20 2222 12 095. 12211111 ATP record (2spd id
95 71 20 2222 12 095. PRESSURE TEST
95 90 20 2222 12 095. PURGE TEST
El Paso-03-Run B 34.7 34.7 11.6 11.6 90 1 1 1 LAP rec: SCNME,MNTM
1 05 XXXX 34.7 20.6 27.3 20.6 1 RGN,CY,SPD,AMBTMP,P

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**Summer 2015 El Paso County MOBILE5a Set-up
for Time Period 1**

1	PROMPT	
1	EL PASO, TM1	- 2015 PROJ CONTROL (2015-INCLUDES I/M AND 71-20 ATP)With CAA
1	TAMFLG	- Default: Tampering Rates
1	SPDFLG	- User Input: one speed for all vehicle types
3	VMFLAG	- User input: single VMT mix for all scenario
3	MYMFLG	- Default: AMAR, User input: Reg. Distributions
1	NEWFLG	- Default Basic ehaust rates,new fmvcp, new evap. tst
5	IMFLAG	- Uses two I/M programs and I/M prog for CAAA STD
1	ALHFLG	- No additional correction factors
8	ATPFLG	- ATP AND PRESSURE AND PURGE TEST
5	RLFLAG	- Zero-out refueling emissions
2	LOCFLG	- User input: one LAP record for all scenarios
1	TEMFLG	- MOBILE4.1 calculates exhaust tempratures
4	OUTFMT	- 112-columndescriptive format
4	PRTFLG	- Print HC, CO, and NOX emission factors
1	IDLFLG	- No idle emissions calculated or printed
3	NMHFLG	- Print HC = Volatile organic compounds (VOC)
1	HCFLAG	- Print Total HC (overriden by prtflg)
	.686.197.053.020.003.001.036.004	VMT mix: LDGV,LDGT1,LDGT2,HDGV,LDDV,LDDT,HDDV
	.044 .061 .063 .066 .068 .070 .071 .071 .064 .052	LDGV 1999
	.062 .056 .045 .038 .034 .029 .017 .016 .014 .011	LDGV 1999
	.012 .010 .007 .005 .015	LDGV 1999
	.055 .072 .070 .067 .064 .062 .060 .041 .040 .038	LDGT1 1999
	.045 .050 .041 .046 .037 .033 .022 .022 .021 .015	LDGT1 1999
	.019 .017 .014 .012 .036	LDGT1 1999
	.065 .083 .079 .074 .071 .068 .066 .038 .030 .033	LDGT2 1999
	.039 .035 .022 .034 .026 .026 .018 .021 .016 .013	LDGT2 1999
	.029 .024 .022 .018 .048	LDGT2 1999
	.042 .057 .057 .057 .058 .058 .058 .036 .037 .032	HDGV 1999
	.028 .026 .029 .041 .044 .035 .021 .028 .024 .034	HDGV 1999
	.039 .032 .026 .018 .083	HDGV 1999
	.044 .061 .063 .066 .068 .070 .071 .071 .064 .052	LDDV 1999
	.062 .056 .045 .038 .034 .029 .017 .016 .014 .011	LDDV 1999
	.012 .010 .007 .005 .015	LDDV 1999
	.055 .072 .070 .067 .064 .062 .060 .041 .040 .038	LDDT 1999
	.045 .050 .041 .046 .037 .033 .022 .022 .021 .015	LDDT 1999
	.019 .017 .014 .012 .036	LDDT 1999
	.047 .063 .063 .061 .061 .060 .059 .016 .027 .035	HDDV 1999
	.026 .030 .042 .047 .052 .041 .027 .029 .041 .046	HDDV 1999
	.026 .026 .020 .010 .043	HDDV 1999
	.017 .029 .037 .043 .050 .053 .055 .051 .035 .037	MC 1999
	.040 .553 .000 .000 .000 .000 .000 .000 .000 .000	MC 1999
	.000 .000 .000 .000 .000	MC 1999
87 20 68 89 03 03 095 1 2 2222 2111 220. 1.20 999.		I/M record strt yr
87 20 90 20 03 03 095 1 2 2222 4211 1.20 20.0 2.50		I/M 240
95 71 20 2222 12 095. 12211111		ATP record (2spd id
95 71 20 2222 12 095.		PRESURE TEST
95 90 20 2222 12 095.		PURGE TEST
EL PASO-03 76.5 76.5 7.7 7.7 90		LAP rec: SCNME,MNTP
1 15 XXXX 76.5 20.6 27.3 20.6 7		RGN,CY,SPD,AMBTMP,P

**Summer 2015 El Paso County MOBILE5a Set-up
for Time Period 2**

1	PROMPT	
1	EL PASO, TM2	- 2015 PROJ CONTROL (2015-INCLUDES I/M AND 71-20 ATP)With CAA
1	TAMFLG	- Default: Tampering Rates
1	SPDFLG	- User Input: one speed for all vehicle types
3	VMFLAG	- User input: single VMT mix for all scenario
3	MYMRFG	- Default: AMAR, User input: Reg. Distributions
1	NEWFLG	- Default Basic exhaust rates,new fmvcp, new evap. tst
5	IMFLAG	- Uses two I/M programs and I/M prog for CAAA STD
1	ALHFLG	- No additional correction factors
8	ATPFLG	- ATP AND PRESSURE AND PURGE TEST
5	RLFLAG	- Zero-out refueling emissions
2	LOCFLG	- User input: one LAP record for all scenarios
1	TEMFLG	- MOBILE4.1 calculates exhaust tempratures
4	OUTFMT	- 112-columndescriptive format
4	PRTFLG	- Print HC, CO, and NOX emission factors
1	IDLFLG	- No idle emissions calculated or printed
3	NMHFLG	- Print HC = Volatile organic compounds (VOC)
1	HCFLAG	- Print Total HC (overriden by prtflg)
	.686.197.053.020.003.001.036.004	VMT mix: LDGV,LDGT1,LDGT2,HDGV,LDDV,LDDT,HDDV
	.044 .061 .063 .066 .068 .070 .071 .071 .064 .052	LDGV 1999
	.062 .056 .045 .038 .034 .029 .017 .016 .014 .011	LDGV 1999
	.012 .010 .007 .005 .015	LDGV 1999
	.055 .072 .070 .067 .064 .062 .060 .041 .040 .038	LDGT1 1999
	.045 .050 .041 .046 .037 .033 .022 .022 .021 .015	LDGT1 1999
	.019 .017 .014 .012 .036	LDGT1 1999
	.065 .083 .079 .074 .071 .068 .066 .038 .030 .033	LDGT2 1999
	.039 .035 .022 .034 .026 .026 .018 .021 .016 .013	LDGT2 1999
	.029 .024 .022 .018 .048	LDGT2 1999
	.042 .057 .057 .057 .058 .058 .058 .036 .037 .032	HDGV 1999
	.028 .026 .029 .041 .044 .035 .021 .028 .024 .034	HDGV 1999
	.039 .032 .026 .018 .083	HDGV 1999
	.044 .061 .063 .066 .068 .070 .071 .071 .064 .052	LDDV 1999
	.062 .056 .045 .038 .034 .029 .017 .016 .014 .011	LDDV 1999
	.012 .010 .007 .005 .015	LDDV 1999
	.055 .072 .070 .067 .064 .062 .060 .041 .040 .038	LDDT 1999
	.045 .050 .041 .046 .037 .033 .022 .022 .021 .015	LDDT 1999
	.019 .017 .014 .012 .036	LDDT 1999
	.047 .063 .063 .061 .061 .060 .059 .016 .027 .035	HDDV 1999
	.026 .030 .042 .047 .052 .041 .027 .029 .041 .046	HDDV 1999
	.026 .026 .020 .010 .043	HDDV 1999
	.017 .029 .037 .043 .050 .053 .055 .051 .035 .037	MC 1999
	.040 .553 .000 .000 .000 .000 .000 .000 .000 .000	MC 1999
	.000 .000 .000 .000 .000	MC 1999
87 20 68 89 03 03 095 1 2 2222 2111 220. 1.20 999.		I/M record strt yr
87 20 90 20 03 03 095 1 2 2222 4211 1.20 20.0 2.50		I/M 240
95 71 20 2222 12 095. 12211111		ATP record (2spd id
95 71 20 2222 12 095.		PRESURE TEST
95 90 20 2222 12 095.		PURGE TEST
EL PASO-03 92.7 92.7 7.7 7.7 90		LAP rec: SCNME,MNTP
1 15 XXXX 92.7 20.6 27.3 20.6 7		RGN,CY,SPD,AMBTMP,P

**Summer 2015 El Paso County MOBILE5a Set-up
for Time Period 3**

1	PROMPT	
1	EL PASO, TM3	- 2015 PROJ CONTROL (2015-INCLUDES I/M AND 71-20 ATP)With CAA
1	TAMFLG	- Default: Tampering Rates
1	SPDFLG	- User Input: one speed for all vehicle types
3	VMFLAG	- User input: single VMT mix for all scenario
3	MYMRFG	- Default: AMAR, User input: Reg. Distributions
1	NEWFLG	- Default Basic exhaust rates,new fmvcp, new evap. tst
5	IMFLAG	- Uses two I/M programs and I/M prog for CAAA STD
1	ALHFLG	- No additional correction factors
8	ATPFLG	- ATP AND PRESSURE AND PURGE TEST
5	RLFLAG	- Zero-out refueling emissions
2	LOCFLG	- User input: one LAP record for all scenarios
1	TEMFLG	- MOBILE4.1 calculates exhaust tempratures
4	OUTFMT	- 112-columndescriptive format
4	PRTFLG	- Print HC, CO, and NOX emission factors
1	IDLFLG	- No idle emissions calculated or printed
3	NMHFLG	- Print HC = Volatile organic compounds (VOC)
1	HCFLAG	- Print Total HC (overriden by prtflg)
.686.197.053.020.003.001.036.004	VMT mix:	LDGV,LDGT1,LDGT2,HDGV,LDDV,LDDT,HDDV
.044 .061 .063 .066 .068 .070 .071 .071 .064 .052		LDGV 1999
.062 .056 .045 .038 .034 .029 .017 .016 .014 .011		LDGV 1999
.012 .010 .007 .005 .015		LDGV 1999
.055 .072 .070 .067 .064 .062 .060 .041 .040 .038		LDGT1 1999
.045 .050 .041 .046 .037 .033 .022 .022 .021 .015		LDGT1 1999
.019 .017 .014 .012 .036		LDGT1 1999
.065 .083 .079 .074 .071 .068 .066 .038 .030 .033		LDGT2 1999
.039 .035 .022 .034 .026 .026 .018 .021 .016 .013		LDGT2 1999
.029 .024 .022 .018 .048		LDGT2 1999
.042 .057 .057 .057 .058 .058 .058 .036 .037 .032		HDGV 1999
.028 .026 .029 .041 .044 .035 .021 .028 .024 .034		HDGV 1999
.039 .032 .026 .018 .083		HDGV 1999
.044 .061 .063 .066 .068 .070 .071 .071 .064 .052		LDDV 1999
.062 .056 .045 .038 .034 .029 .017 .016 .014 .011		LDDV 1999
.012 .010 .007 .005 .015		LDDV 1999
.055 .072 .070 .067 .064 .062 .060 .041 .040 .038		LDDT 1999
.045 .050 .041 .046 .037 .033 .022 .022 .021 .015		LDDT 1999
.019 .017 .014 .012 .036		LDDT 1999
.047 .063 .063 .061 .061 .060 .059 .016 .027 .035		HDDV 1999
.026 .030 .042 .047 .052 .041 .027 .029 .041 .046		HDDV 1999
.026 .026 .020 .010 .043		HDDV 1999
.017 .029 .037 .043 .050 .053 .055 .051 .035 .037		MC 1999
.040 .553 .000 .000 .000 .000 .000 .000 .000 .000		MC 1999
.000 .000 .000 .000 .000		MC 1999
87 20 68 89 03 03 095 1 2 2222 2111 220. 1.20 999.		I/M record strt yr
87 20 90 20 03 03 095 1 2 2222 4211 1.20 20.0 2.50		I/M 240
95 71 20 2222 12 095. 12211111		ATP record (2spd id
95 71 20 2222 12 095.		PRESURE TEST
95 90 20 2222 12 095.		PURGE TEST
EL PASO-03 94.2 94.2 7.7 7.7 90		LAP rec: SCNME,MNTP
1 15 XXXX 94.2 20.6 27.3 20.6 7		RGN,CY,SPD,AMBTMP,P

**Summer 2015 El Paso County MOBILE5a Set-up
for Time Period 4**

1	PROMPT	
1	EL PASO, TM4	- 2015 PROJ CONTROL (2015-INCLUDES I/M AND 71-20 ATP)With CAA
1	TAMFLG	- Default: Tampering Rates
1	SPDFLG	- User Input: one speed for all vehicle types
3	VMFLAG	- User input: single VMT mix for all scenario
3	MYMRFG	- Default: AMAR, User input: Reg. Distributions
1	NEWFLG	- Default Basic exhaust rates,new fmvcp, new evap. tst
5	IMFLAG	- Uses two I/M programs and I/M prog for CAAA STD
1	ALHFLG	- No additional correction factors
8	ATPFLG	- ATP AND PRESSURE AND PURGE TEST
5	RLFLAG	- Zero-out refueling emissions
2	LOCFLG	- User input: one LAP record for all scenarios
1	TEMFLG	- MOBILE4.1 calculates exhaust tempratures
4	OUTFMT	- 112-columndescriptive format
4	PRTFLG	- Print HC, CO, and NOX emission factors
1	IDLFLG	- No idle emissions calculated or printed
3	NMHFLG	- Print HC = Volatile organic compounds (VOC)
1	HCFLAG	- Print Total HC (overriden by prtflg)
.686.197.053.020.003.001.036.004	VMT mix:	LDGV,LDGT1,LDGT2,HDGV,LDDV,LDDT,HDDV
.044 .061 .063 .066 .068 .070 .071 .071 .064 .052		LDGV 1999
.062 .056 .045 .038 .034 .029 .017 .016 .014 .011		LDGV 1999
.012 .010 .007 .005 .015		LDGV 1999
.055 .072 .070 .067 .064 .062 .060 .041 .040 .038		LDGT1 1999
.045 .050 .041 .046 .037 .033 .022 .022 .021 .015		LDGT1 1999
.019 .017 .014 .012 .036		LDGT1 1999
.065 .083 .079 .074 .071 .068 .066 .038 .030 .033		LDGT2 1999
.039 .035 .022 .034 .026 .026 .018 .021 .016 .013		LDGT2 1999
.029 .024 .022 .018 .048		LDGT2 1999
.042 .057 .057 .057 .058 .058 .058 .036 .037 .032		HDGV 1999
.028 .026 .029 .041 .044 .035 .021 .028 .024 .034		HDGV 1999
.039 .032 .026 .018 .083		HDGV 1999
.044 .061 .063 .066 .068 .070 .071 .071 .064 .052		LDDV 1999
.062 .056 .045 .038 .034 .029 .017 .016 .014 .011		LDDV 1999
.012 .010 .007 .005 .015		LDDV 1999
.055 .072 .070 .067 .064 .062 .060 .041 .040 .038		LDDT 1999
.045 .050 .041 .046 .037 .033 .022 .022 .021 .015		LDDT 1999
.019 .017 .014 .012 .036		LDDT 1999
.047 .063 .063 .061 .061 .060 .059 .016 .027 .035		HDDV 1999
.026 .030 .042 .047 .052 .041 .027 .029 .041 .046		HDDV 1999
.026 .026 .020 .010 .043		HDDV 1999
.017 .029 .037 .043 .050 .053 .055 .051 .035 .037		MC 1999
.040 .553 .000 .000 .000 .000 .000 .000 .000 .000		MC 1999
.000 .000 .000 .000 .000		MC 1999
87 20 68 89 03 03 095 1 2 2222 2111 220. 1.20 999.		I/M record strt yr
87 20 90 20 03 03 095 1 2 2222 4211 1.20 20.0 2.50		I/M 240
95 71 20 2222 12 095. 122111111		ATP record (2spd id
95 71 20 2222 12 095.		PRESURE TEST
95 90 20 2222 12 095.		PURGE TEST
EL PASO-03	73.6 73.6 7.7 7.7 90	LAP rec: SCNME,MNTP
1 15 XXXX	73.6 20.6 27.3 20.6 7	RGN,CY,SPD,AMBTMP,P

**Summer 2015 El Paso County MOBILE5a Set-up
for 24-Hour Diurnal Rates**

1	PROMPT	
1	EL PASO, DIURNAL	- 2015 PROJ CONTROL (2015-INCLUDES I/M AND 71-20 ATP)With CAA
1	TAMFLG	- Default: Tampering Rates
1	SPDFLG	- User Input: one speed for all vehicle types
3	VMFLAG	- User input: single VMT mix for all scenario
3	MYMRFG	- Default: AMAR, User input: Reg. Distributions
1	NEWFLG	- Default Basic exhaust rates,new fmvcp, new evap. tst
5	IMFLAG	- Uses two I/M programs and I/M prog for CAAA STD
1	ALHFLG	- No additional correction factors
8	ATPFLG	- ATP AND PRESSURE AND PURGE TEST
5	RLFLAG	- Zero-out refueling emissions
2	LOCFLG	- User input: one LAP record for all scenarios
1	TEMFLG	- MOBILE4.1 calculates exhaust tempratures
3	OUTFMT	- 112-COLUMNDESCRIPTIVE FORMAT
4	PRTFLG	- Print HC, CO, and NOX emission factors
1	IDLFLG	- No idle emissions calculated or printed
3	NMHFLG	- Print HC = Volatile organic compounds (VOC)
3	HCFLAG	- PRINT TOTAL HC (OVERRIDEN BY PRTFLG)
.686.197.053.020.003.001.036.004	VMT mix:	LDGV,LDGT1,LDGT2,HDGV,LDDV,LDDT,HDDV
.044 .061 .063 .066 .068 .070 .071 .071 .064 .052		LDGV 1999
.062 .056 .045 .038 .034 .029 .017 .016 .014 .011		LDGV 1999
.012 .010 .007 .005 .015		LDGV 1999
.055 .072 .070 .067 .064 .062 .060 .041 .040 .038		LDGT1 1999
.045 .050 .041 .046 .037 .033 .022 .022 .021 .015		LDGT1 1999
.019 .017 .014 .012 .036		LDGT1 1999
.065 .083 .079 .074 .071 .068 .066 .038 .030 .033		LDGT2 1999
.039 .035 .022 .034 .026 .026 .018 .021 .016 .013		LDGT2 1999
.029 .024 .022 .018 .048		LDGT2 1999
.042 .057 .057 .057 .058 .058 .058 .036 .037 .032		HDGV 1999
.028 .026 .029 .041 .044 .035 .021 .028 .024 .034		HDGV 1999
.039 .032 .026 .018 .083		HDGV 1999
.044 .061 .063 .066 .068 .070 .071 .071 .064 .052		LDDV 1999
.062 .056 .045 .038 .034 .029 .017 .016 .014 .011		LDDV 1999
.012 .010 .007 .005 .015		LDDV 1999
.055 .072 .070 .067 .064 .062 .060 .041 .040 .038		LDDT 1999
.045 .050 .041 .046 .037 .033 .022 .022 .021 .015		LDDT 1999
.019 .017 .014 .012 .036		LDDT 1999
.047 .063 .063 .061 .061 .060 .059 .016 .027 .035		HDDV 1999
.026 .030 .042 .047 .052 .041 .027 .029 .041 .046		HDDV 1999
.026 .026 .020 .010 .043		HDDV 1999
.017 .029 .037 .043 .050 .053 .055 .051 .035 .037		MC 1999
.040 .553 .000 .000 .000 .000 .000 .000 .000 .000		MC 1999
.000 .000 .000 .000 .000		MC 1999
87 20 68 89 03 03 095 1 2 2222 2111 220. 1.20 999.		I/M record strt yr
87 20 90 20 03 03 095 1 2 2222 4211 1.20 20.0 2.50		I/M 240
95 71 20 2222 12 095. 122111111		ATP record (2spd id
95 71 20 2222 12 095.		PRESURE TEST
95 90 20 2222 12 095.		PURGE TEST
EL PASO-03	66.0 97.0 7.7 7.7 90	LAP REC: SCNME,MNTP
1 15 30.0 86.7 20.6 27.3 20.6 7		RGN,CY,SPD,AMBTMP,P

**Winter 2015 El Paso County MOBILE5a Set-up
for Time Period 1**

1	PROMPT	
1	EL PASO, TM1 CO SEASON - 2015 PROJ CONTROL CENTRALIZED (WINTER RUN)	
1	TAMFLG - Default: Tampering Rates	
1	SPDFLG - User input: one speed for all vehicle types	
3	VMFLAG - User input: single Vmt mix for all scenario	
3	MYMRFG - Default: AMAR, User input: Reg. Distributions	
1	NEWFLG - Default Basic exhaust rates,used.	
5	IMFLAG - Uses Two I/M programs and mobile5 models impact on emissio	
1	ALHFLG - No additional correction factors	
8	ATPFLG - ATP AND PRESSURE AND PURGE TEST	
5	RLFLAG - Zero-out refueling emissions	
2	LOCFLG - User input: one LAP record for all scenarios	
1	TEMFLG - MOBILE4.1 calculates exhaust temperatures	
4	OUTFMT - 112-column descriptive format	
4	PRTFLG - Print HC, CO and NOX emission factors	
1	IDLFLG - No idle emissions calculated or printed	
3	NMHFLG - Print HC = Volatile organic compounds (VOC)	
1	HCFLAG - Print Total HC (overridden by prtflg)	
	.686.197.053.020.003.001.036.004 VMT mix: LDGV,LDGT1,LDGT2,HDGV,LDDV,LDDT,HDDV	
	.044 .061 .063 .066 .068 .070 .071 .071 .064 .052	LDGV 1999
	.062 .056 .045 .038 .034 .029 .017 .016 .014 .011	LDGV 1999
	.012 .010 .007 .005 .015	LDGV 1999
	.055 .072 .070 .067 .064 .062 .060 .041 .040 .038	LDGT1 1999
	.045 .050 .041 .046 .037 .033 .022 .022 .021 .015	LDGT1 1999
	.019 .017 .014 .012 .036	LDGT1 1999
	.065 .083 .079 .074 .071 .068 .066 .038 .030 .033	LDGT2 1999
	.039 .035 .022 .034 .026 .026 .018 .021 .016 .013	LDGT2 1999
	.029 .024 .022 .018 .048	LDGT2 1999
	.042 .057 .057 .057 .058 .058 .058 .036 .037 .032	HDGV 1999
	.028 .026 .029 .041 .044 .035 .021 .028 .024 .034	HDGV 1999
	.039 .032 .026 .018 .083	HDGV 1999
	.044 .061 .063 .066 .068 .070 .071 .071 .064 .052	LDDV 1999
	.062 .056 .045 .038 .034 .029 .017 .016 .014 .011	LDDV 1999
	.012 .010 .007 .005 .015	LDDV 1999
	.055 .072 .070 .067 .064 .062 .060 .041 .040 .038	LDDT 1999
	.045 .050 .041 .046 .037 .033 .022 .022 .021 .015	LDDT 1999
	.019 .017 .014 .012 .036	LDDT 1999
	.047 .063 .063 .061 .061 .060 .059 .016 .027 .035	HDDV 1999
	.026 .030 .042 .047 .052 .041 .027 .029 .041 .046	HDDV 1999
	.026 .026 .020 .010 .043	HDDV 1999
	.017 .029 .037 .043 .050 .053 .055 .051 .035 .037	MC 1999
	.040 .553 .000 .000 .000 .000 .000 .000 .000 .000	MC 1999
	.000 .000 .000 .000 .000	MC 1999
	87 20 68 89 03 03 095 1 2 2222 2111 220. 1.20 999.	I/M record strt yr
	87 20 90 20 03 03 095 1 2 2222 4211 1.20 20.0 2.50	I/M 240
	95 71 20 2222 12 095. 122111111	ATP record (2spd id
	95 71 20 2222 12 095.	PRESSURE TEST
	95 90 20 2222 12 095.	PURGE TEST
	El Paso-03-Run B 35.6 35.6 11.6 11.6 90 1 1 1	LAP rec: SCNME,MNTM
	1 15 XXXX 35.6 20.6 27.3 20.6 1	RGN,CY,SPD,AMBTMP,P

**Winter 2015 El Paso County MOBILE5a Set-up
for Time Period 2**

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1          PROMPT
1 EL PASO,  TM2  CO SEASON - 2015 PROJ CONTROL CENTRALIZED (WINTER RUN)
1          TAMFLG - Default: Tampering Rates
1          SPDFLG - User input: one speed for all vehicle types
3          VMFLG  - User input: single Vmt mix for all scenario
3          MYMFLG - Default: AMAR, User input: Reg. Distributions
1          NEWFLG - Default Basic exhaust rates,used.
5          IMFLAG - Uses Two I/M programs and mobile5 models impact on emissio
1          ALHFLG - No additional correction factors
8          ATPFLG - ATP AND PRESSURE AND PURGE TEST
5          RLFLAG - Zero-out refueling emissions
2          LOCFLG - User input: one LAP record for all scenarios
1          TEMFLG - MOBILE4.1 calculates exhaust temperatures
4          OUTFMT - 112-column descriptive format
4          PRNFLG - Print HC, CO and NOX emission factors
1          IDLFLG - No idle emissions calculated or printed
3          NMHFLG - Print HC = Volatile organic compounds (VOC)
1          HCFLAG - Print Total HC (overridden by prtflg)
.686.197.053.020.003.001.036.004 VMT mix: LDGV,LDGT1,LDGT2,HDGV,LDDV,LDDT,HDDV
.044 .061 .063 .066 .068 .070 .071 .071 .064 .052 LDGV 1999
.062 .056 .045 .038 .034 .029 .017 .016 .014 .011 LDGV 1999
.012 .010 .007 .005 .015 LDGV 1999
.055 .072 .070 .067 .064 .062 .060 .041 .040 .038 LDGT1 1999
.045 .050 .041 .046 .037 .033 .022 .022 .021 .015 LDGT1 1999
.019 .017 .014 .012 .036 LDGT1 1999
.065 .083 .079 .074 .071 .068 .066 .038 .030 .033 LDGT2 1999
.039 .035 .022 .034 .026 .026 .018 .021 .016 .013 LDGT2 1999
.029 .024 .022 .018 .048 LDGT2 1999
.042 .057 .057 .057 .058 .058 .058 .036 .037 .032 HDGV 1999
.028 .026 .029 .041 .044 .035 .021 .028 .024 .034 HDGV 1999
.039 .032 .026 .018 .083 HDGV 1999
.044 .061 .063 .066 .068 .070 .071 .071 .064 .052 LDDV 1999
.062 .056 .045 .038 .034 .029 .017 .016 .014 .011 LDDV 1999
.012 .010 .007 .005 .015 LDDV 1999
.055 .072 .070 .067 .064 .062 .060 .041 .040 .038 LDDT 1999
.045 .050 .041 .046 .037 .033 .022 .022 .021 .015 LDDT 1999
.019 .017 .014 .012 .036 LDDT 1999
.047 .063 .063 .061 .061 .060 .059 .016 .027 .035 HDDV 1999
.026 .030 .042 .047 .052 .041 .027 .029 .041 .046 HDDV 1999
.026 .026 .020 .010 .043 HDDV 1999
.017 .029 .037 .043 .050 .053 .055 .051 .035 .037 MC 1999
.040 .553 .000 .000 .000 .000 .000 .000 .000 .000 MC 1999
.000 .000 .000 .000 .000 MC 1999
87 20 68 89 03 03 095 1 2 2222 2111 220. 1.20 999. I/M record strt yr
87 20 90 20 03 03 095 1 2 2222 4211 1.20 20.0 2.50 I/M 240
95 71 20 2222 12 095. 12211111 ATP record (2spd id
95 71 20 2222 12 095. PRESSURE TEST
95 90 20 2222 12 095. PURGE TEST
El Paso-03-Run B 57.1 57.1 11.6 11.6 90 1 1 1 LAP rec: SCNME,MNTM
1 15 XXXX 57.1 20.6 27.3 20.6 1 RGN,CY,SPD,AMBTMP,P

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**Winter 2015 El Paso County MOBILE5a Set-up
for Time Period 3**

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1          PROMPT
1 EL PASO,  TM3  CO SEASON - 2015 PROJ CONTROL CENTRALIZED (WINTER RUN)
1          TAMFLG - Default: Tampering Rates
1          SPDFLG - User input: one speed for all vehicle types
3          VMFLAG - User input: single Vmt mix for all scenario
3          MYMRFG - Default: AMAR, User input: Reg. Distributions
1          NEWFLG - Default Basic exhaust rates,used.
5          IMFLAG - Uses Two I/M programs and mobile5 models impact on emissio
1          ALHFLG - No additional correction factors
8          ATPFLG - ATP AND PRESSURE AND PURGE TEST
5          RLFLAG - Zero-out refueling emissions
2          LOCFLG - User input: one LAP record for all scenarios
1          TEMFLG - MOBILE4.1 calculates exhaust temperatures
4          OUTFMT - 112-column descriptive format
4          PRFLG  - Print HC, CO and NOX emission factors
1          IDLFLG - No idle emissions calculated or printed
3          NMHFLG - Print HC = Volatile organic compounds (VOC)
1          HCFLAG - Print Total HC (overridden by prtflg)
.686.197.053.020.003.001.036.004 VMT mix: LDGV,LDGT1,LDGT2,HDGV,LDDV,LDDT,HDDV
.044 .061 .063 .066 .068 .070 .071 .071 .064 .052 LDGV 1999
.062 .056 .045 .038 .034 .029 .017 .016 .014 .011 LDGV 1999
.012 .010 .007 .005 .015 LDGV 1999
.055 .072 .070 .067 .064 .062 .060 .041 .040 .038 LDGT1 1999
.045 .050 .041 .046 .037 .033 .022 .022 .021 .015 LDGT1 1999
.019 .017 .014 .012 .036 LDGT1 1999
.065 .083 .079 .074 .071 .068 .066 .038 .030 .033 LDGT2 1999
.039 .035 .022 .034 .026 .026 .018 .021 .016 .013 LDGT2 1999
.029 .024 .022 .018 .048 LDGT2 1999
.042 .057 .057 .057 .058 .058 .058 .036 .037 .032 HDGV 1999
.028 .026 .029 .041 .044 .035 .021 .028 .024 .034 HDGV 1999
.039 .032 .026 .018 .083 HDGV 1999
.044 .061 .063 .066 .068 .070 .071 .071 .064 .052 LDDV 1999
.062 .056 .045 .038 .034 .029 .017 .016 .014 .011 LDDV 1999
.012 .010 .007 .005 .015 LDDV 1999
.055 .072 .070 .067 .064 .062 .060 .041 .040 .038 LDDT 1999
.045 .050 .041 .046 .037 .033 .022 .022 .021 .015 LDDT 1999
.019 .017 .014 .012 .036 LDDT 1999
.047 .063 .063 .061 .061 .060 .059 .016 .027 .035 HDDV 1999
.026 .030 .042 .047 .052 .041 .027 .029 .041 .046 HDDV 1999
.026 .026 .020 .010 .043 HDDV 1999
.017 .029 .037 .043 .050 .053 .055 .051 .035 .037 MC 1999
.040 .553 .000 .000 .000 .000 .000 .000 .000 .000 MC 1999
.000 .000 .000 .000 .000 MC 1999
87 20 68 89 03 03 095 1 2 2222 2111 220. 1.20 999. I/M record strt yr
87 20 90 20 03 03 095 1 2 2222 4211 1.20 20.0 2.50 I/M 240
95 71 20 2222 12 095. 12211111 ATP record (2spd id
95 71 20 2222 12 095. PRESSURE TEST
95 90 20 2222 12 095. PURGE TEST
El Paso-03-Run B 55.5 55.5 11.6 11.6 90 1 1 1 LAP rec: SCNME,MNTM
1 15 XXXX 55.5 20.6 27.3 20.6 1 RGN,CY,SPD,AMBTMP,P

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**Winter 2015 El Paso County MOBILE5a Set-up
for Time Period 4**

1	PROMPT	
1	EL PASO, TM4 CO SEASON - 2015 PROJ CONTROL CENTRALIZED (WINTER RUN)	
1	TAMFLG - Default: Tampering Rates	
1	SPDFLG - User input: one speed for all vehicle types	
3	VMFLAG - User input: single Vmt mix for all scenario	
3	MYMFRG - Default: AMAR, User input: Reg. Distributions	
1	NEWFLG - Default Basic exhaust rates,used.	
5	IMFLAG - Uses Two I/M programs and mobile5 models impact on emissio	
1	ALHFLG - No additional correction factors	
8	ATPFLG - ATP AND PRESSURE AND PURGE TEST	
5	RLFLAG - Zero-out refueling emissions	
2	LOCFLG - User input: one LAP record for all scenarios	
1	TEMFLG - MOBILE4.1 calculates exhaust temperatures	
4	OUTFMT - 112-column descriptive format	
4	PRTFLG - Print HC, CO and NOX emission factors	
1	IDLFLG - No idle emissions calculated or printed	
3	NMHFLG - Print HC = Volatile organic compounds (VOC)	
1	HCFLAG - Print Total HC (overridden by prtflg)	
	.686.197.053.020.003.001.036.004 VMT mix: LDGV,LDGT1,LDGT2,HDGV,LDDV,LDDT,HDDV	
	.044 .061 .063 .066 .068 .070 .071 .071 .064 .052	LDGV 1999
	.062 .056 .045 .038 .034 .029 .017 .016 .014 .011	LDGV 1999
	.012 .010 .007 .005 .015	LDGV 1999
	.055 .072 .070 .067 .064 .062 .060 .041 .040 .038	LDGT1 1999
	.045 .050 .041 .046 .037 .033 .022 .022 .021 .015	LDGT1 1999
	.019 .017 .014 .012 .036	LDGT1 1999
	.065 .083 .079 .074 .071 .068 .066 .038 .030 .033	LDGT2 1999
	.039 .035 .022 .034 .026 .026 .018 .021 .016 .013	LDGT2 1999
	.029 .024 .022 .018 .048	LDGT2 1999
	.042 .057 .057 .057 .058 .058 .058 .036 .037 .032	HDGV 1999
	.028 .026 .029 .041 .044 .035 .021 .028 .024 .034	HDGV 1999
	.039 .032 .026 .018 .083	HDGV 1999
	.044 .061 .063 .066 .068 .070 .071 .071 .064 .052	LDDV 1999
	.062 .056 .045 .038 .034 .029 .017 .016 .014 .011	LDDV 1999
	.012 .010 .007 .005 .015	LDDV 1999
	.055 .072 .070 .067 .064 .062 .060 .041 .040 .038	LDDT 1999
	.045 .050 .041 .046 .037 .033 .022 .022 .021 .015	LDDT 1999
	.019 .017 .014 .012 .036	LDDT 1999
	.047 .063 .063 .061 .061 .060 .059 .016 .027 .035	HDDV 1999
	.026 .030 .042 .047 .052 .041 .027 .029 .041 .046	HDDV 1999
	.026 .026 .020 .010 .043	HDDV 1999
	.017 .029 .037 .043 .050 .053 .055 .051 .035 .037	MC 1999
	.040 .553 .000 .000 .000 .000 .000 .000 .000 .000	MC 1999
	.000 .000 .000 .000 .000	MC 1999
87	20 68 89 03 03 095 1 2 2222 2111 220. 1.20 999.	I/M record strt yr
87	20 90 20 03 03 095 1 2 2222 4211 1.20 20.0 2.50	I/M 240
95	71 20 2222 12 095. 12211111	ATP record (2spd id
95	71 20 2222 12 095.	PRESSURE TEST
95	90 20 2222 12 095.	PURGE TEST
	El Paso-03-Run B 34.7 34.7 11.6 11.6 90 1 1 1	LAP rec: SCNME,MNTM
1	15 XXXX 34.7 20.6 27.3 20.6 1	RGN,CY,SPD,AMBTMP,P

APPENDIX B
MOBILE5a EMISSION RATES

APPENDIX B MOBILE5a EMISSION RATES

The purpose of this appendix is to present tabular summaries of the emission rates developed and used in the FY-94 TIP Conformity Analyses for El Paso. The first section presents the 24-hour diurnal emission rates used for a given year and season. The second section presents the time-of-day rates used for a given year and season.

24-HOUR DIURNAL EMISSION RATES

The diurnal emission rates are input to the SUMALL program for the computation of the 24-hour diurnal emissions. Table B-1 summarizes the 24-hour 1996 diurnal emission rates used for the El Paso conformity analyses for the FY-94 TIP. Table B-2 summarizes the 24-hour 1999 summer diurnal rates used for the El Paso conformity analyses. Table B-3 summarizes the 24-hour 2005 diurnal emission rates used for the El Paso conformity analyses. Table B-4 summarizes the 24-hour 2015 diurnal emission rates used for the El Paso conformity analyses. The MOBILE5a set-ups used to compute these rates are presented in Appendix A.

TIME-OF-DAY EMISSION RATES

The emission factors used in computing the emissions produced on individual links in the highway network for a given application are presented by the four time-of-day periods, three pollutant types (i.e., VOC, CO, and NO_x), the eight vehicle types, and by 63 speeds (i.e., 3 mph through 65 mph).

Table B-1
1996 El Paso Diurnal Rates

El Paso 1996 Summer Diurnal Emission rates in grams							
Weighted Diurnal							
LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
2.86	4.34	10.65	28.34	0.	0.	0.	16.40
Multiple Diurnal							
LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
10.07	12.61	17.82	37.52	0.	0.	0.	0.

Table B-2
1999 El Paso Diurnal Rates

El Paso 1999 Summer Diurnal Emission rates in grams							
Weighted Diurnal							
LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
2.28	3.44	7.32	22.36	0.	0.	0.	16.40
Multiple Diurnal							
LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
8.87	10.86	13.98	32.62	0.	0.	0.	0.

Table B-3
2005 El Paso Diurnal Rates

El Paso 2005 Summer Diurnal Emission rates in grams							
Weighted Diurnal							
LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
1.42	1.81	2.10	13.98	0.	0.	0.	16.40
Multiple Diurnal							
LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
5.98	7.16	6.86	23.75	0.	0.	0.	0.

Table B-4
2015 El Paso Diurnal Rates

El Paso 2015 Summer Diurnal Emission rates in grams							
Weighted Diurnal							
LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
1.05	1.12	1.19	6.32	0	0.	0.	16.40
Multiple Diurnal							
LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3.89	4.80	5.11	14.37	0.	0.	0.	0.

El Paso 1996 Summer Time Period 1 VOC Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	8.83396	10.87212	17.25403	18.97498	1.70093	2.40350	5.69445	14.08075
4	6.56119	8.14838	12.89870	15.73942	1.61487	2.28189	5.40634	11.87424
5	5.26154	6.55954	10.30422	13.72514	1.53451	2.16835	5.13732	10.24000
6	4.42183	5.51946	8.58303	12.25611	1.45944	2.06226	4.88599	9.00649
7	3.83562	4.78766	7.36386	11.09095	1.38927	1.96310	4.65104	8.05933
8	3.44960	4.29479	6.52854	10.21811	1.32363	1.87035	4.43129	7.32061
9	3.15011	3.91051	5.88086	9.45463	1.26220	1.78355	4.22564	6.73618
10	2.90685	3.59804	5.36028	8.77206	1.20468	1.70227	4.03308	6.26766
11	2.70456	3.33805	4.93311	8.15911	1.15080	1.62613	3.85269	5.88737
12	2.53302	3.11742	4.57619	7.60674	1.10029	1.55477	3.68360	5.57504
13	2.38511	2.92697	4.27307	7.10748	1.05293	1.48784	3.52504	5.31559
14	2.25571	2.76008	4.01185	6.65509	1.00849	1.42505	3.37627	5.09759
15	2.14108	2.61185	3.78367	6.24422	0.96678	1.36611	3.23662	4.91235
16	2.03841	2.47861	3.58189	5.87029	0.92761	1.31076	3.10549	4.75313
17	1.94555	2.35756	3.40140	5.52931	0.89081	1.25876	2.98229	4.61468
18	1.86081	2.24652	3.23826	5.21782	0.85622	1.20988	2.86650	4.49285
19	1.78289	2.14377	3.08940	4.93276	0.82371	1.16393	2.75763	4.38439
20	1.70931	2.06045	2.96643	4.67599	0.79312	1.12071	2.65523	4.28670
21	1.64528	1.98767	2.85445	4.44740	0.76434	1.08005	2.55888	4.19773
22	1.58662	1.92079	2.75165	4.23811	0.73725	1.04178	2.46821	4.11586
23	1.53262	1.85903	2.65671	4.04625	0.71175	1.00574	2.38284	4.03982
24	1.48270	1.80174	2.56859	3.87016	0.68774	0.97181	2.30245	3.96861
25	1.43637	1.74838	2.48645	3.70838	0.66512	0.93985	2.22673	3.90148
26	1.39322	1.69855	2.40961	3.55958	0.64382	0.90974	2.15539	3.83788
27	1.35290	1.65188	2.33753	3.42259	0.62374	0.88138	2.08818	3.77738
28	1.31513	1.60808	2.26977	3.29635	0.60482	0.85464	2.02484	3.71972
29	1.27965	1.56692	2.20600	3.17992	0.58699	0.82945	1.96516	3.66471
30	1.24624	1.52819	2.14593	3.07244	0.57019	0.80571	1.90891	3.61223
31	1.21473	1.49172	2.08930	2.97317	0.55436	0.78334	1.85590	3.56227
32	1.18495	1.45736	2.03595	2.88141	0.53944	0.76226	1.80596	3.51480
33	1.15675	1.42498	1.98568	2.79654	0.52539	0.74240	1.75890	3.46987
34	1.13002	1.39446	1.93837	2.71801	0.51215	0.72369	1.71459	3.42751
35	1.10463	1.36570	1.89386	2.64531	0.49968	0.70608	1.67286	3.38780
36	1.08050	1.33859	1.85205	2.57799	0.48795	0.68950	1.63358	3.35078
37	1.05752	1.31304	1.81279	2.51565	0.47691	0.67390	1.59662	3.31650
38	1.03562	1.28897	1.77600	2.45791	0.46654	0.65924	1.56188	3.28498
39	1.01472	1.26629	1.74154	2.40444	0.45679	0.64546	1.52924	3.25626
40	0.99475	1.24492	1.70930	2.35495	0.44763	0.63253	1.49860	3.23030
41	0.97565	1.22477	1.67916	2.30914	0.43905	0.62040	1.46987	3.20712
42	0.95736	1.20577	1.65099	2.26679	0.43101	0.60904	1.44295	3.18660
43	0.93981	1.18783	1.62465	2.22767	0.42349	0.59841	1.41778	3.16860
44	0.92297	1.17087	1.60003	2.19158	0.41647	0.58849	1.39427	3.15305
45	0.90677	1.15479	1.57694	2.15833	0.40992	0.57924	1.37236	3.13970
46	0.89117	1.13950	1.55522	2.12777	0.40384	0.57064	1.35198	3.12831
47	0.87611	1.12491	1.53469	2.09975	0.39819	0.56266	1.33308	3.11855
48	0.86181	1.11098	1.51516	2.07414	0.39297	0.55529	1.31560	3.11002
49	0.86013	1.10916	1.51204	2.05088	0.38816	0.54849	1.29949	3.11002
50	0.85855	1.10743	1.50910	2.03001	0.38374	0.54225	1.28471	3.11002
51	0.85705	1.10580	1.50633	2.01142	0.37971	0.53655	1.27121	3.11002
52	0.85564	1.10425	1.50371	1.99502	0.37605	0.53138	1.25897	3.11002
53	0.85429	1.10279	1.50124	1.98072	0.37276	0.52673	1.24794	3.11002
54	0.85302	1.10140	1.49889	1.96846	0.36982	0.52257	1.23809	3.11002
55	0.85181	1.10008	1.49667	1.95818	0.36722	0.51891	1.22941	3.11002
56	0.88412	1.14976	1.57771	1.94983	0.36497	0.51572	1.22186	3.21876
57	0.91649	1.19951	1.65885	1.94338	0.36305	0.51300	1.21542	3.32751
58	0.94890	1.24931	1.74010	1.93879	0.36145	0.51075	1.21009	3.43626
59	0.98137	1.29916	1.82144	1.93604	0.36018	0.50896	1.20583	3.54500
60	1.01388	1.34907	1.90286	1.93514	0.35923	0.50761	1.20265	3.65375
61	1.04644	1.39902	1.98437	1.93607	0.35860	0.50672	1.20054	3.76249
62	1.07903	1.44901	2.06595	1.93885	0.35829	0.50628	1.19948	3.87124
63	1.11166	1.49905	2.14761	1.94350	0.35829	0.50628	1.19949	3.97999
64	1.14433	1.54912	2.22932	1.95004	0.35860	0.50672	1.20054	4.08873
65	1.17703	1.59923	2.31111	1.95851	0.35923	0.50762	1.20265	4.19748

El Paso 1996 Summer Time Period 1 CO Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	80.25406	104.58652	152.83388	220.77815	5.47653	6.30152	39.29140	151.73120
4	61.65607	80.40222	117.73409	201.71559	5.04724	5.80757	36.21147	121.00894
5	50.37383	65.50882	95.35751	184.70470	4.66008	5.36208	33.43378	98.83479
6	42.80699	55.44574	79.93062	169.50104	4.31045	4.95978	30.92531	82.47202
7	37.38841	48.22224	68.73784	155.89125	3.99431	4.59603	28.65723	70.15134
8	33.32358	42.80768	60.30998	143.69005	3.70811	4.26670	26.60384	60.70078
9	30.16589	38.61310	53.77774	132.73552	3.44868	3.96820	24.74258	53.32710
10	27.64500	35.27727	48.59351	122.88617	3.21325	3.69730	23.05347	47.48166
11	25.58757	32.56647	44.39626	114.01831	2.99934	3.45117	21.51880	42.77821
12	23.87746	30.32292	40.93875	106.02335	2.80477	3.22729	20.12288	38.93959
13	22.43398	28.43643	38.04681	98.80612	2.62760	3.02343	18.85179	35.76381
14	21.19931	26.82773	35.59464	92.28282	2.46611	2.83761	17.69316	33.10138
15	20.13098	25.43854	33.48936	86.38026	2.31876	2.66806	16.63597	30.84027
16	19.19717	24.22502	31.66118	81.03313	2.18418	2.51321	15.67048	28.89548
17	18.37354	23.15375	30.05698	76.18459	2.06116	2.37166	14.78789	27.20186
18	17.64116	22.19891	28.63560	71.78380	1.94862	2.24216	13.98044	25.70915
19	16.98518	21.34026	27.36504	67.78615	1.84557	2.12360	13.24113	24.37828
20	16.30759	20.61172	26.31552	64.15222	1.75116	2.01496	12.56379	23.17882
21	15.60573	19.80771	25.23198	60.84676	1.66461	1.91537	11.94280	22.08694
22	14.96627	19.06993	24.24194	57.83868	1.58521	1.82401	11.37319	21.08421
23	14.38095	18.38934	23.33221	55.10042	1.51236	1.74018	10.85047	20.15614
24	13.84298	17.75871	22.49208	52.60744	1.44548	1.66323	10.37064	19.29160
25	13.34669	17.17224	21.71300	50.33789	1.38407	1.59257	9.93008	18.48221
26	12.88733	16.62524	20.98792	48.27232	1.32769	1.52770	9.52556	17.72137
27	12.46095	16.11397	20.31136	46.39343	1.27592	1.46813	9.15416	17.00435
28	12.06415	15.63536	19.67863	44.68587	1.22841	1.41346	8.81327	16.32745
29	11.69405	15.18684	19.08607	43.13599	1.18482	1.36330	8.50053	15.68822
30	11.34818	14.76630	18.53055	41.73155	1.14486	1.31732	8.21382	15.08482
31	11.02439	14.37197	18.00948	40.46173	1.10826	1.27521	7.95124	14.51574
32	10.72082	14.00224	17.52063	39.31697	1.07479	1.23669	7.71108	13.97998
33	10.43580	13.65573	17.06215	38.28876	1.04422	1.20152	7.49180	13.47710
34	10.16790	13.33121	16.63231	37.36957	1.01637	1.16948	7.29199	13.00607
35	9.91581	13.02751	16.22966	36.55275	0.99107	1.14037	7.11046	12.56670
36	9.67837	12.74353	15.85278	35.83253	0.96816	1.11401	6.94608	12.15797
37	9.45453	12.47827	15.50043	35.20387	0.94750	1.09023	6.79786	11.77971
38	9.24333	12.23076	15.17133	34.66241	0.92897	1.06891	6.66491	11.43075
39	9.04390	12.00002	14.86428	34.20445	0.91246	1.04992	6.54648	11.11031
40	8.85543	11.78513	14.57815	33.82690	0.89788	1.03314	6.44186	10.81738
41	8.67719	11.58515	14.31176	33.52716	0.88514	1.01848	6.35046	10.55078
42	8.50845	11.39910	14.06381	33.30325	0.87417	1.00586	6.27176	10.30883
43	8.34858	11.22602	13.83313	33.15376	0.86491	0.99520	6.20532	10.09004
44	8.19693	11.06486	13.61837	33.07759	0.85731	0.98646	6.15077	9.89221
45	8.05288	10.91447	13.41819	33.07430	0.85132	0.97957	6.10781	9.71330
46	7.91581	10.77354	13.23100	33.14381	0.84691	0.97449	6.07619	9.55071
47	7.78509	10.64065	13.05510	33.28664	0.84406	0.97122	6.05574	9.40125
48	7.66010	10.51419	12.88873	33.50371	0.84276	0.96971	6.04636	9.26177
49	7.66010	10.51419	12.88873	33.79648	0.84298	0.96997	6.04800	9.26177
50	7.66010	10.51419	12.88873	34.16689	0.84475	0.97200	6.06065	9.26177
51	7.66010	10.51419	12.88873	34.61739	0.84806	0.97581	6.08439	9.26177
52	7.66010	10.51419	12.88873	35.15115	0.85293	0.98142	6.11936	9.26177
53	7.66010	10.51419	12.88873	35.77167	0.85939	0.98886	6.16574	9.26177
54	7.66010	10.51419	12.88873	36.48338	0.86748	0.99816	6.22378	9.26177
55	7.66010	10.51419	12.88873	37.29112	0.87725	1.00940	6.29382	9.26177
56	8.76728	12.33221	15.36797	38.20081	0.88873	1.02261	6.37624	11.49227
57	9.87447	14.15022	17.84715	39.21877	0.90201	1.03789	6.47150	13.72278
58	10.98166	15.96822	20.32639	40.35258	0.91716	1.05532	6.58015	15.95328
59	12.08884	17.78621	22.80563	41.61066	0.93425	1.07499	6.70281	18.18378
60	13.19603	19.60423	25.28488	43.00241	0.95340	1.09702	6.84020	20.41428
61	14.30322	21.42221	27.76410	44.53859	0.97472	1.12155	6.99313	22.64476
62	15.41040	23.24020	30.24333	46.23126	0.99832	1.14871	7.16249	24.87524
63	16.51756	25.05824	32.72260	48.09395	1.02436	1.17867	7.34931	27.10576
64	17.62473	26.87625	35.20178	50.14194	1.05300	1.21162	7.55476	29.33624
65	18.73192	28.69424	37.68105	52.39203	1.08440	1.24776	7.78009	31.56676

El Paso 1996 Summer Time Period 1 NOx Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	2.28906	2.53085	2.88385	4.56874	2.82175	3.24855	25.92682	0.90848
4	2.10597	2.33072	2.69233	4.61601	2.70291	3.11173	24.83485	0.86895
5	1.99484	2.20973	2.57807	4.66329	2.59275	2.98491	23.82268	0.83614
6	1.91991	2.12881	2.50287	4.71057	2.49061	2.86732	22.88422	0.80955
7	1.86581	2.07117	2.45032	4.75785	2.39590	2.75828	22.01398	0.78867
8	1.82486	2.02833	2.41214	4.80513	2.30806	2.65716	21.20694	0.77302
9	1.79279	1.99559	2.38372	4.85240	2.22661	2.56338	20.45851	0.76215
10	1.76700	1.97007	2.36225	4.89968	2.15107	2.47643	19.76454	0.75560
11	1.74584	1.94993	2.34591	4.94696	2.08106	2.39582	19.12123	0.75296
12	1.72822	1.93390	2.33349	4.99424	2.01619	2.32114	18.52516	0.75382
13	1.71334	1.92111	2.32411	5.04151	1.95611	2.25197	17.97314	0.75778
14	1.70067	1.91089	2.31714	5.08879	1.90052	2.18798	17.46240	0.76449
15	1.68977	1.90275	2.31208	5.13607	1.84913	2.12882	16.99025	0.77357
16	1.68035	1.89632	2.30857	5.18335	1.80170	2.07420	16.55437	0.78471
17	1.67214	1.89128	2.30632	5.23062	1.75797	2.02386	16.15257	0.79758
18	1.66498	1.88741	2.30510	5.27790	1.71774	1.97755	15.78295	0.81189
19	1.65869	1.88449	2.30471	5.32518	1.68081	1.93504	15.44368	0.82735
20	1.65969	1.88592	2.30885	5.37246	1.64702	1.89613	15.13319	0.84370
21	1.66904	1.90108	2.32655	5.41973	1.61620	1.86065	14.85002	0.86071
22	1.67765	1.91526	2.34315	5.46701	1.58821	1.82843	14.59283	0.87813
23	1.68563	1.92856	2.35875	5.51429	1.56292	1.79932	14.36050	0.89577
24	1.69306	1.94106	2.37344	5.56157	1.54022	1.77318	14.15193	0.91344
25	1.70000	1.95282	2.38731	5.60884	1.52001	1.74991	13.96620	0.93095
26	1.70652	1.96389	2.40041	5.65612	1.50220	1.72940	13.80252	0.94817
27	1.71266	1.97433	2.41281	5.70340	1.48670	1.71156	13.66012	0.96495
28	1.71846	1.98416	2.42455	5.75068	1.47345	1.69631	13.53840	0.98118
29	1.72396	1.99343	2.43569	5.79796	1.46240	1.68359	13.43685	0.99675
30	1.72919	2.00218	2.44627	5.84523	1.45349	1.67333	13.35500	1.01159
31	1.73418	2.01043	2.45634	5.89251	1.44669	1.66550	13.29250	1.02563
32	1.73896	2.01821	2.46594	5.93979	1.44197	1.66006	13.24912	1.03883
33	1.74354	2.02555	2.47512	5.98707	1.43930	1.65700	13.22463	1.05116
34	1.74797	2.03249	2.48392	6.03434	1.43868	1.65628	13.21894	1.06261
35	1.75224	2.03905	2.49238	6.08162	1.44011	1.65793	13.23204	1.07320
36	1.75639	2.04526	2.50056	6.12890	1.44358	1.66193	13.26396	1.08294
37	1.76044	2.05117	2.50850	6.17617	1.44912	1.66830	13.31487	1.09189
38	1.76440	2.05680	2.51627	6.22346	1.45675	1.67708	13.38495	1.10010
39	1.76829	2.06220	2.52390	6.27073	1.46650	1.68831	13.47451	1.10767
40	1.77214	2.06740	2.53147	6.31801	1.47841	1.70202	13.58398	1.11468
41	1.77597	2.07244	2.53903	6.36529	1.49254	1.71829	13.71376	1.12126
42	1.77978	2.07737	2.54664	6.41257	1.50894	1.73717	13.86448	1.12755
43	1.78361	2.08224	2.55438	6.45984	1.52769	1.75875	14.03678	1.13369
44	1.78747	2.08710	2.56231	6.50712	1.54887	1.78314	14.23139	1.13986
45	1.79139	2.09199	2.57050	6.55440	1.57258	1.81043	14.44922	1.14625
46	1.79539	2.09698	2.57905	6.60168	1.59892	1.84076	14.69122	1.15307
47	1.79949	2.10213	2.58802	6.64895	1.62801	1.87425	14.95851	1.16054
48	1.80371	2.10749	2.59750	6.69623	1.65998	1.91106	15.25230	1.16892
49	1.80724	2.19239	2.70733	6.74351	1.69499	1.95136	15.57397	1.20698
50	1.94126	2.27729	2.81716	6.79079	1.73320	1.99535	15.92501	1.24504
51	2.01003	2.36219	2.92699	6.83806	1.77478	2.04322	16.30707	1.28311
52	2.07880	2.44709	3.03682	6.88535	1.81995	2.09522	16.72209	1.32117
53	2.14757	2.53199	3.14665	6.93262	1.86891	2.15159	17.17198	1.35923
54	2.21635	2.61689	3.25648	6.97989	1.92193	2.21262	17.65904	1.39730
55	2.28512	2.70179	3.36631	7.02717	1.97925	2.27862	18.18578	1.43536
56	2.35389	2.78669	3.47614	7.07445	2.04118	2.34991	18.75478	1.47342
57	2.42266	2.87159	3.58597	7.12173	2.10804	2.42688	19.36909	1.51148
58	2.49144	2.95649	3.69580	7.16900	2.18018	2.50994	20.03194	1.54955
59	2.56021	3.04139	3.80563	7.21629	2.25800	2.59952	20.74693	1.58761
60	2.62898	3.12629	3.91547	7.26356	2.34191	2.69613	21.51799	1.62567
61	2.69775	3.21119	4.02529	7.31084	2.43240	2.80031	22.34937	1.66373
62	2.76653	3.29609	4.13512	7.35812	2.52997	2.91263	23.24586	1.70180
63	2.83530	3.38099	4.24495	7.40540	2.63520	3.03378	24.21272	1.73986
64	2.90407	3.46588	4.35478	7.45267	2.74870	3.16445	25.25560	1.77792
65	2.97284	3.55078	4.46461	7.49995	2.87117	3.30544	26.38083	1.81598

El Paso 1996 Summer Time Period 2 VOC Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	12.06977	13.63200	21.74982	28.34518	1.70093	2.40350	5.69445	16.10608
4	8.68892	9.90307	15.61056	22.07945	1.61487	2.28189	5.40634	13.92576
5	6.82932	7.82218	12.17145	18.58501	1.53451	2.16835	5.13732	12.31090
6	5.66002	6.50042	9.98121	16.25957	1.45944	2.06226	4.88599	11.09202
7	4.85990	5.59047	8.47299	14.54057	1.38927	1.96310	4.65104	10.15610
8	4.37924	5.01417	7.51426	13.40806	1.32363	1.87035	4.43129	9.42614
9	4.00659	4.57034	6.77930	12.44286	1.26220	1.78355	4.22564	8.84865
10	3.69978	4.21146	6.18981	11.58771	1.20468	1.70227	4.03308	8.38568
11	3.44096	3.91467	5.70710	10.82457	1.15080	1.62613	3.85269	8.00991
12	3.21813	3.66445	5.30465	10.13971	1.10029	1.55477	3.68360	7.70128
13	3.02296	3.44992	4.96373	9.52230	1.05293	1.48784	3.52504	7.44490
14	2.86947	3.26324	4.67076	8.96360	1.00849	1.42505	3.37627	7.22949
15	2.69327	3.09861	4.41570	8.45629	0.96678	1.36611	3.23662	7.04644
16	2.55107	2.95170	4.19099	7.99432	0.92761	1.31076	3.10549	6.88912
17	2.42035	2.81918	3.99083	7.57251	0.89081	1.25876	2.98229	6.75231
18	2.29914	2.69846	3.81075	7.18638	0.85622	1.20988	2.86650	6.63192
19	2.18591	2.58753	3.64723	6.83211	0.82371	1.16393	2.75763	6.52475
20	2.08692	2.49537	3.51073	6.51728	0.79312	1.12071	2.65523	6.42822
21	2.01171	2.40998	3.38186	6.24443	0.76434	1.08005	2.55888	6.34031
22	1.94259	2.33137	3.26361	5.99457	0.73725	1.04178	2.46821	6.25941
23	1.87876	2.25865	3.15447	5.76543	0.71175	1.00574	2.38284	6.18427
24	1.81956	2.19106	3.05324	5.55500	0.68774	0.97181	2.30245	6.11390
25	1.76443	2.12801	2.95894	5.36149	0.66512	0.93985	2.22673	6.04757
26	1.71291	2.06901	2.87079	5.18332	0.64382	0.90974	2.15539	5.98472
27	1.66461	2.01365	2.78816	5.01909	0.62374	0.88138	2.08818	5.92495
28	1.61919	1.96162	2.71053	4.86753	0.60482	0.85464	2.02484	5.86796
29	1.57638	1.91264	2.63748	4.72752	0.58699	0.82945	1.96516	5.81360
30	1.53594	1.86648	2.56866	4.59805	0.57019	0.80571	1.90891	5.76175
31	1.49764	1.82295	2.50379	4.47821	0.55436	0.78334	1.85590	5.71238
32	1.46131	1.78188	2.44262	4.36720	0.53944	0.76226	1.80596	5.66547
33	1.42679	1.74311	2.38494	4.26430	0.52539	0.74240	1.75890	5.62108
34	1.39394	1.70653	2.33057	4.16882	0.51215	0.72369	1.71459	5.57922
35	1.36262	1.67200	2.27935	4.08019	0.49968	0.70608	1.67286	5.53998
36	1.33272	1.63942	2.23111	3.99787	0.48795	0.68950	1.63358	5.50341
37	1.30415	1.60867	2.18571	3.92139	0.47691	0.67390	1.59662	5.46953
38	1.27680	1.57967	2.14302	3.85030	0.46654	0.65924	1.56188	5.43838
39	1.25060	1.55229	2.10290	3.78421	0.45679	0.64546	1.52924	5.41000
40	1.22546	1.52646	2.06522	3.72278	0.44763	0.63253	1.49860	5.38436
41	1.20131	1.50208	2.02983	3.66568	0.43905	0.62040	1.46987	5.36144
42	1.17808	1.47905	1.99661	3.61262	0.43101	0.60904	1.44295	5.34116
43	1.15571	1.45727	1.96538	3.56333	0.42349	0.59841	1.41778	5.32338
44	1.13414	1.43664	1.93603	3.51759	0.41647	0.58849	1.39427	5.30801
45	1.11330	1.41705	1.90837	3.47518	0.40992	0.57924	1.37236	5.29483
46	1.09313	1.39839	1.88221	3.43591	0.40384	0.57064	1.35198	5.28357
47	1.07359	1.38053	1.85739	3.39962	0.39819	0.56266	1.33308	5.27393
48	1.05506	1.36346	1.83360	3.36599	0.39297	0.55529	1.31560	5.26550
49	1.05147	1.35949	1.82648	3.33406	0.38816	0.54849	1.29949	5.26550
50	1.04808	1.35575	1.81977	3.30513	0.38374	0.54225	1.28471	5.26550
51	1.04488	1.35222	1.81344	3.27908	0.37971	0.53655	1.27121	5.26550
52	1.04186	1.34888	1.80748	3.25576	0.37605	0.53138	1.25897	5.26550
53	1.03900	1.34573	1.80184	3.23506	0.37276	0.52673	1.24794	5.26550
54	1.03630	1.34274	1.79651	3.21689	0.36982	0.52257	1.23809	5.26550
55	1.03373	1.33991	1.79146	3.20117	0.36722	0.51891	1.22941	5.26550
56	1.06702	1.39331	1.87425	3.18781	0.36497	0.51572	1.22186	5.37295
57	1.10043	1.44684	1.95729	3.17677	0.36305	0.51300	1.21542	5.48041
58	1.13396	1.50050	2.04056	3.16800	0.36145	0.51075	1.21009	5.58786
59	1.16759	1.55427	2.12404	3.16147	0.36018	0.50896	1.20583	5.69532
60	1.20132	1.60816	2.20772	3.15714	0.35923	0.50761	1.20265	5.80278
61	1.23515	1.66215	2.29159	3.15502	0.35860	0.50672	1.20054	5.91023
62	1.26906	1.71624	2.37563	3.15510	0.35829	0.50628	1.19948	6.01769
63	1.30306	1.77042	2.45984	3.15739	0.35829	0.50628	1.19949	6.12514
64	1.33713	1.82468	2.54420	3.16191	0.35860	0.50672	1.20054	6.23260
65	1.37128	1.87903	2.62871	3.16871	0.35923	0.50762	1.20265	6.34006

El Paso 1996 Summer Time Period 2 CO Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	90.22404	121.80792	181.69545	298.34668	5.47653	6.30152	39.29140	194.96100
4	69.21217	93.67691	139.79395	272.58716	5.04724	5.80757	36.21147	155.48564
5	56.42767	76.22096	113.01599	249.59996	4.66008	5.36208	33.43378	126.99384
6	47.84012	64.38353	94.53484	229.05470	4.31045	4.95978	30.92531	105.96919
7	41.68715	55.87686	81.12215	210.66315	3.99431	4.59603	28.65723	90.13820
8	37.07167	49.50343	71.02435	194.17514	3.70811	4.26670	26.60384	77.99509
9	33.48785	44.57314	63.20108	179.37173	3.44868	3.96820	24.74258	68.52055
10	30.62868	40.66002	56.99573	166.06186	3.21325	3.69730	23.05347	61.00967
11	28.29697	37.48717	51.97479	154.07834	2.99934	3.45117	21.51880	54.96617
12	26.36038	34.86700	47.84129	143.27434	2.80477	3.22729	20.12288	50.03391
13	24.72690	32.66820	44.38594	133.52138	2.62760	3.02343	18.85179	45.95329
14	23.33054	30.79610	41.45737	124.70615	2.46611	2.83761	17.69316	42.53229
15	22.12279	29.18103	38.94403	116.72975	2.31876	2.66806	16.63597	39.62697
16	21.06731	27.77061	36.76199	109.50389	2.18418	2.51321	15.67048	37.12807
17	20.13632	26.52484	34.84746	102.95181	2.06116	2.37166	14.78789	34.95193
18	19.30826	25.41292	33.15103	97.00484	1.94862	2.24216	13.98044	33.03395
19	18.56615	24.41081	31.63423	91.60263	1.84557	2.12360	13.24113	31.32391
20	17.81216	23.57417	30.40742	86.69196	1.75116	2.01496	12.56379	29.78271
21	17.04295	22.66379	29.15475	82.22511	1.66461	1.91537	11.94280	28.37976
22	16.34142	21.82503	28.00937	78.16019	1.58521	1.82401	11.37319	27.09132
23	15.69856	21.04784	26.95601	74.45984	1.51236	1.74018	10.85047	25.89883
24	15.10700	20.32445	25.98233	71.09096	1.44548	1.66323	10.37064	24.78796
25	14.56060	19.64876	25.07857	68.02397	1.38407	1.59257	9.93008	23.74796
26	14.05429	19.01596	24.23676	65.23268	1.32769	1.52770	9.52556	22.77036
27	13.58382	18.42230	23.45058	62.69368	1.27592	1.46813	9.15416	21.84903
28	13.14559	17.86484	22.71486	60.38609	1.22841	1.41346	8.81327	20.97928
29	12.73655	17.34113	22.02545	58.29173	1.18482	1.36330	8.50053	20.15794
30	12.35408	16.84927	21.37889	56.39381	1.14486	1.31732	8.21382	19.38261
31	11.99594	16.38770	20.77229	54.67786	1.10826	1.27521	7.95124	18.65141
32	11.66015	15.95490	20.20325	53.13092	1.07479	1.23669	7.71108	17.96301
33	11.34497	15.54968	19.66969	51.74142	1.04422	1.20152	7.49180	17.31686
34	11.04889	15.17087	19.16974	50.49930	1.01637	1.16948	7.29199	16.71162
35	10.77051	14.81739	18.70178	49.39548	0.99107	1.14037	7.11046	16.14708
36	10.50860	14.48813	18.26419	48.42216	0.96816	1.11401	6.94608	15.62190
37	10.26205	14.18208	17.85562	47.57266	0.94750	1.09023	6.79786	15.13588
38	10.02982	13.89821	17.47467	46.84102	0.92897	1.06891	6.66491	14.68750
39	9.81095	13.63544	17.11984	46.22212	0.91246	1.04992	6.54648	14.27576
40	9.60457	13.39271	16.78993	45.71187	0.89788	1.03314	6.44186	13.89937
41	9.40986	13.16893	16.48352	45.30685	0.88514	1.01848	6.35046	13.55681
42	9.22600	12.96286	16.19904	45.00427	0.87417	1.00586	6.27176	13.24592
43	9.05227	12.77328	15.93515	44.80226	0.86491	0.99520	6.20532	12.96480
44	8.88790	12.59878	15.69016	44.69933	0.85731	0.98646	6.15077	12.71060
45	8.73217	12.43779	15.46246	44.69490	0.85132	0.97957	6.10781	12.48072
46	8.58430	12.28843	15.25010	44.78879	0.84691	0.97449	6.07619	12.27180
47	8.44352	12.14866	15.05096	44.98181	0.84406	0.97122	6.05574	12.07976
48	8.30901	12.01607	14.86286	45.27515	0.84276	0.96971	6.04636	11.90055
49	8.30901	12.01607	14.86286	45.67081	0.84298	0.96997	6.04800	11.90055
50	8.30901	12.01607	14.86286	46.17131	0.84475	0.97200	6.06065	11.90055
51	8.30901	12.01607	14.86286	46.78014	0.84806	0.97581	6.08439	11.90055
52	8.30901	12.01607	14.86286	47.50139	0.85293	0.98142	6.11936	11.90055
53	8.30901	12.01607	14.86286	48.33992	0.85939	0.98886	6.16574	11.90055
54	8.30901	12.01607	14.86286	49.30173	0.86748	0.99816	6.22378	11.90055
55	8.30901	12.01607	14.86286	50.39334	0.87725	1.00940	6.29382	11.90055
56	9.57024	14.19943	17.82407	51.62253	0.88873	1.02261	6.37624	14.76654
57	10.83147	16.38277	20.78528	52.99820	0.90201	1.03789	6.47150	17.63254
58	12.09271	18.56610	23.74657	54.53041	0.91716	1.05532	6.58015	20.49852
59	13.35394	20.74945	26.70786	56.23045	0.93425	1.07499	6.70281	23.36450
60	14.61518	22.93282	29.66910	58.11118	0.95340	1.09702	6.84020	26.23047
61	15.87639	25.11613	32.63036	60.18713	0.97472	1.12155	6.99313	29.09648
62	17.13763	27.29947	35.59160	62.47452	0.99832	1.14871	7.16249	31.96246
63	18.39883	29.48286	38.55290	64.99168	1.02436	1.17867	7.34931	34.82846
64	19.66005	31.66621	41.51411	67.75917	1.05300	1.21162	7.55476	37.69446
65	20.92128	33.84956	44.47539	70.79982	1.08440	1.24776	7.78009	40.56042

El Paso 1996 Summer Time Period 2 NOx Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDTV	LDDV	LDDT	HDDV	MC
3	2.27325	2.49529	2.73451	4.33415	2.82175	3.24855	25.92682	0.80643
4	2.08811	2.29500	2.54392	4.37900	2.70291	3.11173	24.83485	0.77133
5	1.97609	2.17411	2.43015	4.42385	2.59275	2.98491	23.82268	0.74221
6	1.90079	2.09334	2.35511	4.46870	2.49061	2.86732	22.88422	0.71861
7	1.84662	2.03582	2.30247	4.51355	2.39590	2.75828	22.01398	0.70007
8	1.80574	1.99306	2.26400	4.55840	2.30806	2.65716	21.20694	0.68618
9	1.77380	1.96033	2.23512	4.60325	2.22661	2.56338	20.45851	0.67653
10	1.74820	1.93476	2.21303	4.64870	2.15107	2.47643	19.76454	0.67072
11	1.72723	1.91449	2.19596	4.69295	2.08106	2.39582	19.12123	0.66838
12	1.70980	1.89828	2.18269	4.73780	2.01619	2.32114	18.52516	0.66914
13	1.69511	1.88524	2.17236	4.78265	1.95611	2.25197	17.97314	0.67266
14	1.68260	1.87472	2.16437	4.82750	1.90052	2.18798	17.46240	0.67861
15	1.67185	1.86624	2.15823	4.87235	1.84913	2.12882	16.99025	0.68667
16	1.66255	1.85943	2.15360	4.91720	1.80170	2.07420	16.55437	0.69656
17	1.65445	1.85398	2.15018	4.96205	1.75797	2.02386	16.15257	0.70799
18	1.64737	1.84967	2.14777	5.00690	1.71774	1.97755	15.78295	0.72069
19	1.64114	1.84628	2.14616	5.05175	1.68081	1.93504	15.44368	0.73441
20	1.64230	1.84703	2.14874	5.09660	1.64702	1.89613	15.13319	0.74893
21	1.65192	1.86157	2.16484	5.14145	1.61620	1.86065	14.85002	0.76402
22	1.66076	1.87513	2.17987	5.18630	1.58821	1.82843	14.59283	0.77949
23	1.66893	1.88781	2.19395	5.23115	1.56292	1.79932	14.36050	0.79514
24	1.67651	1.89970	2.20717	5.27600	1.54022	1.77318	14.15193	0.81082
25	1.68357	1.91087	2.21960	5.32085	1.52001	1.74991	13.96620	0.82637
26	1.69017	1.92136	2.23131	5.36570	1.50220	1.72940	13.80252	0.84166
27	1.69637	1.93123	2.24237	5.41055	1.48670	1.71156	13.66012	0.85655
28	1.70220	1.94051	2.25281	5.45540	1.47345	1.69631	13.53840	0.87096
29	1.70770	1.94925	2.26270	5.50025	1.46240	1.68359	13.43685	0.88478
30	1.71290	1.95748	2.27206	5.54510	1.45349	1.67333	13.35500	0.89795
31	1.71784	1.96523	2.28095	5.58995	1.44669	1.66550	13.29250	0.91042
32	1.72255	1.97253	2.28941	5.63480	1.44197	1.66006	13.24912	0.92213
33	1.72704	1.97941	2.29747	5.67965	1.43930	1.65700	13.22463	0.93308
34	1.73134	1.98589	2.30518	5.72450	1.43868	1.65628	13.21894	0.94325
35	1.73547	1.99202	2.31258	5.76935	1.44011	1.65793	13.23204	0.95264
36	1.73945	1.99781	2.31971	5.81420	1.44358	1.66193	13.26396	0.96129
37	1.74329	2.00330	2.32660	5.85905	1.44912	1.66830	13.31487	0.96923
38	1.74703	2.00852	2.33332	5.90390	1.45675	1.67708	13.38495	0.97652
39	1.75067	2.01351	2.33989	5.94875	1.46650	1.68831	13.47451	0.98324
40	1.75424	2.01830	2.34638	5.99360	1.47841	1.70202	13.58398	0.98946
41	1.75775	2.02293	2.35282	6.03845	1.49254	1.71829	13.71376	0.99531
42	1.76121	2.02744	2.35928	6.08330	1.50894	1.73717	13.86448	1.00088
43	1.76466	2.03187	2.36581	6.12815	1.52769	1.75875	14.03678	1.00634
44	1.76811	2.03626	2.37246	6.17300	1.54887	1.78314	14.23139	1.01181
45	1.77157	2.04067	2.37930	6.21785	1.57258	1.81043	14.44922	1.01749
46	1.77507	2.04514	2.38638	6.26270	1.59892	1.84076	14.69122	1.02354
47	1.77862	2.04972	2.39378	6.30755	1.62801	1.87425	14.95851	1.03018
48	1.78225	2.05446	2.40156	6.35240	1.65998	1.91106	15.25230	1.03761
49	1.84972	2.13709	2.50243	6.39725	1.69499	1.95136	15.57397	1.07140
50	1.91719	2.21972	2.60329	6.44210	1.73320	1.99535	15.92501	1.10518
51	1.98467	2.30235	2.70416	6.48695	1.77478	2.04322	16.30707	1.13897
52	2.05214	2.38498	2.80502	6.53180	1.81995	2.09522	16.72209	1.17276
53	2.11961	2.46760	2.90589	6.57665	1.86891	2.15159	17.17198	1.20654
54	2.18709	2.55023	3.00676	6.62150	1.92193	2.21262	17.65904	1.24033
55	2.25456	2.63286	3.10763	6.66635	1.97925	2.27862	18.18578	1.27412
56	2.32203	2.71549	3.20849	6.71120	2.04118	2.34991	18.75478	1.30790
57	2.38951	2.79812	3.30936	6.75605	2.10804	2.42688	19.36909	1.34169
58	2.45698	2.88075	3.41022	6.80090	2.18018	2.50994	20.03194	1.37548
59	2.52446	2.96338	3.51109	6.84575	2.25800	2.59952	20.74693	1.40926
60	2.59193	3.04601	3.61195	6.89060	2.34191	2.69613	21.51799	1.44305
61	2.65940	3.12864	3.71282	6.93545	2.43240	2.80031	22.34937	1.47684
62	2.72688	3.21127	3.81369	6.98030	2.52997	2.91263	23.24586	1.51062
63	2.79435	3.29389	3.91456	7.02516	2.63520	3.03378	24.21272	1.54441
64	2.86182	3.37652	4.01542	7.07000	2.74870	3.16445	25.25560	1.57820
65	2.92930	3.45915	4.11629	7.11485	2.87117	3.30544	26.38083	1.61199

El Paso 1996 Summer Time Period 3 VOC Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	12.46333	14.01375	22.38278	29.56750	1.70093	2.40350	5.69445	16.32204
4	8.94098	10.14341	15.99168	22.88744	1.61487	2.28189	5.40634	14.14295
5	7.01128	7.99346	12.43309	19.19292	1.53451	2.16835	5.13732	12.52901
6	5.80145	6.63226	10.17639	16.75316	1.45944	2.06226	4.88599	11.31081
7	4.97539	5.69740	8.62714	14.96112	1.38927	1.96310	4.65104	10.37542
8	4.48336	5.10985	7.65112	13.79525	1.32363	1.87035	4.43129	9.64588
9	4.10211	4.65806	6.90394	12.80449	1.26220	1.78355	4.22564	9.06871
10	3.78802	4.29300	6.30483	11.92773	1.20468	1.70227	4.03308	8.60601
11	3.52285	3.99130	5.81437	11.14600	1.15080	1.62613	3.85269	8.23045
12	3.29439	3.73715	5.40558	10.44488	1.10029	1.55477	3.68360	7.92200
13	3.09413	3.51943	5.05940	9.81311	1.05293	1.48784	3.52504	7.66576
14	2.91599	3.33014	4.76203	9.24156	1.00849	1.42505	3.37627	7.45047
15	2.75548	3.16336	4.50324	8.72274	0.96678	1.36611	3.23662	7.26753
16	2.60924	3.01467	4.27536	8.25034	0.92761	1.31076	3.10549	7.11029
17	2.47471	2.88065	4.07248	7.81903	0.89081	1.25876	2.98229	6.97356
18	2.34988	2.75869	3.89006	7.42421	0.85622	1.20988	2.86650	6.85324
19	2.23318	2.64672	3.72453	7.06192	0.82371	1.16393	2.75763	6.74613
20	2.13159	2.55335	3.58609	6.74022	0.79312	1.12071	2.65523	6.64965
21	2.05498	2.46612	3.45475	6.46182	0.76434	1.08005	2.55888	6.56179
22	1.98457	2.38581	3.33422	6.20688	0.73725	1.04178	2.46821	6.48094
23	1.91953	2.31149	3.22298	5.97307	0.71175	1.00574	2.38284	6.40584
24	1.85919	2.24239	3.11980	5.75834	0.68774	0.97181	2.30245	6.33551
25	1.80299	2.17790	3.02369	5.56087	0.66512	0.93985	2.22673	6.26922
26	1.75045	2.11754	2.93385	5.37904	0.64382	0.90974	2.15539	6.20641
27	1.70119	2.06089	2.84963	5.21142	0.62374	0.88138	2.08818	6.14667
28	1.65486	2.00763	2.77050	5.05671	0.60482	0.85464	2.02484	6.08972
29	1.61118	1.95747	2.69604	4.91377	0.58699	0.82945	1.96516	6.03539
30	1.56991	1.91019	2.62589	4.78157	0.57019	0.80571	1.90891	5.98357
31	1.53081	1.86559	2.55974	4.65918	0.55436	0.78334	1.85590	5.93422
32	1.49372	1.82349	2.49737	4.54579	0.53944	0.76226	1.80596	5.88734
33	1.45846	1.78374	2.43854	4.44064	0.52539	0.74240	1.75890	5.84297
34	1.42490	1.74622	2.38307	4.34308	0.51215	0.72369	1.71459	5.80114
35	1.39290	1.71079	2.33079	4.25248	0.49968	0.70608	1.67286	5.76192
36	1.36235	1.67734	2.28154	4.16831	0.48795	0.68950	1.63358	5.72536
37	1.33314	1.64577	2.23517	4.09008	0.47691	0.67390	1.59662	5.69150
38	1.30518	1.61596	2.19154	4.01735	0.46654	0.65924	1.56188	5.66038
39	1.27837	1.58783	2.15052	3.94972	0.45679	0.64546	1.52924	5.63201
40	1.25265	1.56127	2.11196	3.88682	0.44763	0.63253	1.49860	5.60638
41	1.22794	1.53619	2.07574	3.82833	0.43905	0.62040	1.46987	5.58348
42	1.20416	1.51248	2.04169	3.77396	0.43101	0.60904	1.44295	5.56322
43	1.18126	1.49005	2.00968	3.72344	0.42349	0.59841	1.41778	5.54544
44	1.15916	1.46880	1.97956	3.67652	0.41647	0.58849	1.39427	5.53008
45	1.13782	1.44860	1.95115	3.63299	0.40992	0.57924	1.37236	5.51690
46	1.11716	1.42935	1.92427	3.59267	0.40384	0.57064	1.35198	5.50566
47	1.09713	1.41092	1.89873	3.55536	0.39819	0.56266	1.33308	5.49602
48	1.07813	1.39330	1.87426	3.52076	0.39297	0.55529	1.31560	5.48759
49	1.07427	1.38904	1.86657	3.48765	0.38816	0.54849	1.29949	5.48759
50	1.07063	1.38501	1.85933	3.45764	0.38374	0.54225	1.28471	5.48759
51	1.06720	1.38122	1.85251	3.43057	0.37971	0.53655	1.27121	5.48759
52	1.06395	1.37763	1.84608	3.40631	0.37605	0.53138	1.25897	5.48759
53	1.06089	1.37424	1.84000	3.38475	0.37276	0.52673	1.24794	5.48759
54	1.05798	1.37103	1.83425	3.36577	0.36982	0.52257	1.23809	5.48759
55	1.05523	1.36799	1.82880	3.34930	0.36722	0.51891	1.22941	5.48759
56	1.08863	1.42185	1.91183	3.33526	0.36497	0.51572	1.22186	5.59498
57	1.12216	1.47586	1.99512	3.32358	0.36305	0.51300	1.21542	5.70238
58	1.15581	1.53000	2.07866	3.31423	0.36145	0.51075	1.21009	5.80978
59	1.18958	1.58427	2.16243	3.30716	0.36018	0.50896	1.20583	5.91717
60	1.22345	1.63866	2.24642	3.30235	0.35923	0.50761	1.20265	6.02457
61	1.25743	1.69316	2.33061	3.29979	0.35860	0.50672	1.20054	6.13196
62	1.29150	1.74776	2.41498	3.29948	0.35829	0.50628	1.19948	6.23935
63	1.32565	1.80246	2.49954	3.30142	0.35829	0.50628	1.19949	6.34675
64	1.35989	1.85726	2.58426	3.30564	0.35860	0.50672	1.20054	6.45415
65	1.39421	1.91214	2.66913	3.31217	0.35923	0.50762	1.20265	6.56154

El Paso 1996 Summer Time Period 3 CO Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	91.69049	124.39040	185.82924	307.90991	5.47653	6.30152	39.29140	200.46814
4	70.32265	95.66312	142.94728	281.32422	5.04724	5.80757	36.21147	159.87773
5	57.31749	77.82272	115.53938	257.60010	4.66008	5.36208	33.43378	130.58105
6	48.58032	65.71991	96.62259	236.39667	4.31045	4.95978	30.92531	108.96252
7	42.31981	57.02161	82.89362	217.41563	3.99431	4.59603	28.65723	92.68436
8	37.62372	50.50500	72.55792	200.39912	3.70811	4.26670	26.60384	80.19824
9	33.97748	45.46478	64.55054	185.12128	3.44868	3.96820	24.74258	70.45609
10	31.06874	41.46530	58.19939	171.38474	3.21325	3.69730	23.05347	62.73303
11	28.69681	38.22321	53.06067	159.01711	2.99934	3.45117	21.51880	56.51884
12	26.72699	35.54652	48.83040	147.86676	2.80477	3.22729	20.12288	51.44722
13	25.06560	33.30081	45.29420	137.80121	2.62760	3.02343	18.85179	47.25133
14	23.64546	31.38907	42.29723	128.70341	2.46611	2.83761	17.69316	43.73373
15	22.41724	29.73999	39.72520	120.47134	2.31876	2.66806	16.63597	40.74634
16	21.34384	28.29988	37.49226	113.01384	2.18418	2.51321	15.67048	38.17683
17	20.39705	27.02782	35.53308	106.25177	2.06116	2.37166	14.78789	35.93921
18	19.55490	25.89223	33.79703	100.11418	1.94862	2.24216	13.98044	33.96707
19	18.80011	24.86852	32.24481	94.53882	1.84557	2.12360	13.24113	32.20871
20	18.03494	24.01598	30.99313	89.47070	1.75116	2.01496	12.56379	30.62398
21	17.25584	23.09009	29.71684	84.86069	1.66461	1.91537	11.94280	29.18140
22	16.54520	22.23662	28.54977	80.66550	1.58521	1.82401	11.37319	27.85660
23	15.89389	21.44537	27.47643	76.84654	1.51236	1.74018	10.85047	26.63040
24	15.29448	20.70850	26.48418	73.36966	1.44548	1.66323	10.37064	25.48816
25	14.74074	20.01987	25.56310	70.20438	1.38407	1.59257	9.93008	24.41876
26	14.22756	19.37462	24.70506	67.32359	1.32769	1.52770	9.52556	23.41356
27	13.75064	18.76901	23.90373	64.70326	1.27592	1.46813	9.15416	22.46622
28	13.30635	18.20010	23.15375	62.32170	1.22841	1.41346	8.81327	21.57191
29	12.89162	17.66553	22.45094	60.16017	1.18482	1.36330	8.50053	20.72734
30	12.50381	17.16335	21.79179	58.20146	1.14486	1.31732	8.21382	19.93011
31	12.14065	16.69202	21.17337	56.43047	1.10826	1.27521	7.95124	19.17825
32	11.80016	16.25009	20.59326	54.83394	1.07479	1.23669	7.71108	18.47041
33	11.48058	15.83637	20.04933	53.39993	1.04422	1.20152	7.49180	17.80602
34	11.18038	15.44970	19.53966	52.11798	1.01637	1.16948	7.29199	17.18369
35	10.89816	15.08901	19.06265	50.97876	0.99107	1.14037	7.11046	16.60318
36	10.63268	14.75318	18.61664	49.97429	0.96816	1.11401	6.94608	16.06317
37	10.38280	14.44121	18.20026	49.09752	0.94750	1.09023	6.79786	15.56342
38	10.14748	14.15206	17.81206	48.34242	0.92897	1.06891	6.66491	15.10238
39	9.92576	13.88463	17.45056	47.70366	0.91246	1.04992	6.54648	14.67901
40	9.71675	13.63784	17.11452	47.17709	0.89788	1.03314	6.44186	14.29199
41	9.51961	13.41057	16.80246	46.75911	0.88514	1.01848	6.35046	13.93975
42	9.33352	13.20156	16.51282	46.44687	0.87417	1.00586	6.27176	13.62008
43	9.15773	13.00953	16.24420	46.23833	0.86491	0.99520	6.20532	13.33102
44	8.99148	12.83305	15.99490	46.13206	0.85731	0.98646	6.15077	13.06964
45	8.83401	12.67047	15.76326	46.12755	0.85132	0.97957	6.10781	12.83327
46	8.68453	12.51983	15.54727	46.22444	0.84691	0.97449	6.07619	12.61845
47	8.54223	12.37900	15.34476	46.42366	0.84406	0.97122	6.05574	12.42098
48	8.40629	12.24546	15.15350	46.72639	0.84276	0.96971	6.04636	12.23671
49	8.40629	12.24546	15.15350	47.13469	0.84298	0.96997	6.04800	12.23671
50	8.40629	12.24546	15.15350	47.65125	0.84475	0.97200	6.06065	12.23671
51	8.40629	12.24546	15.15350	48.27959	0.84806	0.97581	6.08439	12.23671
52	8.40629	12.24546	15.15350	49.02397	0.85293	0.98142	6.11936	12.23671
53	8.40629	12.24546	15.15350	49.88939	0.85939	0.98886	6.16574	12.23671
54	8.40629	12.24546	15.15350	50.88203	0.86748	0.99816	6.22378	12.23671
55	8.40629	12.24546	15.15350	52.00861	0.87725	1.00940	6.29382	12.23671
56	9.69050	14.48416	18.18506	53.27725	0.88873	1.02261	6.37624	15.18365
57	10.97471	16.72282	21.21663	54.69699	0.90201	1.03789	6.47150	18.13062
58	12.25892	18.96150	24.24826	56.27826	0.91716	1.05532	6.58015	21.07753
59	13.54313	21.20020	27.27988	58.03282	0.93425	1.07499	6.70281	24.02448
60	14.82734	23.43890	30.31149	59.97388	0.95340	1.09702	6.84020	26.97145
61	16.11151	25.67758	33.34311	62.11633	0.97472	1.12155	6.99313	29.91838
62	17.39574	27.91624	36.37471	64.47705	0.99832	1.14871	7.16249	32.86530
63	18.67992	30.15497	39.40636	67.07486	1.02436	1.17867	7.34931	35.81226
64	19.96411	32.39366	42.43791	69.93109	1.05300	1.21162	7.55476	38.75920
65	21.24832	34.63237	45.46956	73.06918	1.08440	1.24776	7.78009	41.70616

El Paso 1996 Summer Time Period 3 NOx Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HdGV	LDDV	LDDT	HDDV	MC
3	2.27258	2.49291	2.72293	4.31553	2.82175	3.24855	25.92682	0.79750
4	2.08722	2.29256	2.53236	4.36019	2.70291	3.11173	24.83485	0.76280
5	1.97510	2.17165	2.41859	4.40484	2.59275	2.98491	23.82268	0.73400
6	1.89976	2.09087	2.34354	4.44950	2.49061	2.86732	22.88422	0.71065
7	1.84556	2.03334	2.29088	4.49416	2.39590	2.75828	22.01398	0.69232
8	1.80467	1.99058	2.25237	4.53882	2.30806	2.65716	21.20694	0.67859
9	1.77274	1.95784	2.22343	4.58348	2.22661	2.56338	20.45851	0.66904
10	1.74714	1.93225	2.20129	4.62813	2.15107	2.47643	19.76454	0.66330
11	1.72619	1.91197	2.18415	4.67279	2.08106	2.39582	19.12123	0.66098
12	1.70876	1.89573	2.17080	4.71745	2.01619	2.32114	18.52516	0.66173
13	1.69408	1.88267	2.16039	4.76210	1.95611	2.25197	17.97314	0.66521
14	1.68158	1.87212	2.15231	4.80676	1.90052	2.18798	17.46240	0.67110
15	1.67084	1.86361	2.14608	4.85142	1.84913	2.12882	16.99025	0.67907
16	1.66155	1.85676	2.14135	4.89608	1.80170	2.07420	16.55437	0.68885
17	1.65345	1.85127	2.13783	4.94074	1.75797	2.02386	16.15257	0.70015
18	1.64637	1.84691	2.13531	4.98539	1.71774	1.97755	15.78295	0.71271
19	1.64014	1.84349	2.13360	5.03005	1.68081	1.93504	15.44368	0.72628
20	1.64132	1.84418	2.13605	5.07471	1.64702	1.89613	15.13319	0.74064
21	1.65096	1.85866	2.15202	5.11936	1.61620	1.86065	14.85002	0.75556
22	1.65981	1.87217	2.16692	5.16402	1.58821	1.82843	14.59283	0.77086
23	1.66800	1.88480	2.18088	5.20868	1.56292	1.79932	14.36050	0.78634
24	1.67559	1.89664	2.19398	5.25333	1.54022	1.77318	14.15193	0.80185
25	1.68266	1.90775	2.20630	5.29799	1.52001	1.74991	13.96620	0.81723
26	1.68928	1.91820	2.21790	5.34265	1.50220	1.72940	13.80252	0.83234
27	1.69548	1.92802	2.22884	5.38731	1.48670	1.71156	13.66012	0.84701
28	1.70131	1.93726	2.23918	5.43196	1.47345	1.69631	13.53840	0.86131
29	1.70681	1.94595	2.24896	5.47662	1.46240	1.68359	13.43685	0.87498
30	1.71201	1.95414	2.25823	5.52128	1.45349	1.67333	13.35500	0.88801
31	1.71695	1.96185	2.26703	5.56594	1.44669	1.66550	13.29250	0.90034
32	1.72165	1.96911	2.27539	5.61059	1.44197	1.66006	13.24912	0.91193
33	1.72613	1.97595	2.28336	5.65526	1.43930	1.65700	13.22463	0.92275
34	1.73042	1.98240	2.29099	5.69991	1.43868	1.65628	13.21894	0.93280
35	1.73454	1.98848	2.29830	5.74457	1.44011	1.65793	13.23204	0.94210
36	1.73850	1.99424	2.30534	5.78922	1.44358	1.66193	13.26396	0.95065
37	1.74234	1.99970	2.31215	5.83388	1.44912	1.66830	13.31487	0.95850
38	1.74606	2.00489	2.31878	5.87854	1.45675	1.67708	13.38495	0.96571
39	1.74968	2.00984	2.32527	5.92319	1.46650	1.68831	13.47451	0.97236
40	1.75322	2.01460	2.33166	5.96786	1.47841	1.70202	13.58398	0.97851
41	1.75671	2.01919	2.33802	6.01251	1.49254	1.71829	13.71376	0.98429
42	1.76015	2.02367	2.34439	6.05717	1.50894	1.73717	13.86448	0.98980
43	1.76357	2.02806	2.35081	6.10183	1.52769	1.75875	14.03678	0.99520
44	1.76698	2.03242	2.35736	6.14648	1.54887	1.78314	14.23139	1.00061
45	1.77040	2.03678	2.36409	6.19114	1.57258	1.81043	14.44922	1.00622
46	1.77386	2.04121	2.37106	6.23580	1.59892	1.84076	14.69122	1.01221
47	1.77737	2.04574	2.37833	6.28046	1.62801	1.87425	14.95851	1.01877
48	1.78096	2.05044	2.38597	6.32512	1.65998	1.91106	15.25230	1.02612
49	1.84834	2.13289	2.48612	6.36977	1.69499	1.95136	15.57397	1.05954
50	1.91573	2.21535	2.58628	6.41443	1.73320	1.99535	15.92501	1.09295
51	1.98311	2.29781	2.68643	6.45909	1.77478	2.04322	16.30707	1.12636
52	2.05050	2.38027	2.78658	6.50375	1.81995	2.09522	16.72209	1.15977
53	2.11788	2.46273	2.88673	6.54840	1.86891	2.15159	17.17198	1.19319
54	2.18527	2.54518	2.98688	6.59306	1.92193	2.21262	17.65904	1.22660
55	2.25266	2.62764	3.08704	6.63772	1.97925	2.27862	18.18578	1.26001
56	2.32004	2.71010	3.18719	6.68237	2.04118	2.34991	18.75478	1.29343
57	2.38743	2.79256	3.28734	6.72703	2.10804	2.42688	19.36909	1.32684
58	2.45482	2.87502	3.38749	6.77169	2.18018	2.50994	20.03194	1.36025
59	2.52220	2.95747	3.48764	6.81635	2.25800	2.59952	20.74693	1.39367
60	2.58959	3.03993	3.58779	6.86100	2.34191	2.69613	21.51799	1.42708
61	2.65697	3.12239	3.68794	6.90566	2.43240	2.80031	22.34937	1.46049
62	2.72436	3.20485	3.78810	6.95032	2.52997	2.91263	23.24586	1.49390
63	2.79175	3.28731	3.88825	6.99498	2.63520	3.03378	24.21272	1.52732
64	2.85913	3.36976	3.98840	7.03963	2.74870	3.16445	25.25560	1.56073
65	2.92652	3.45222	4.08855	7.08429	2.87117	3.30544	26.38083	1.59414

El Paso 1996 Summer Time Period 4 VOC Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	8.67584	10.67306	16.99229	18.26395	1.70093	2.40350	5.69445	13.79853
4	6.45758	8.01445	12.73782	15.20585	1.61487	2.28189	5.40634	11.57688
5	5.18465	6.45836	10.18999	13.27880	1.53451	2.16835	5.13732	9.93142
6	4.36025	5.43747	8.49414	11.86059	1.45944	2.06226	4.88599	8.68944
7	3.78375	4.71805	7.29027	10.72848	1.38927	1.96310	4.65104	7.73578
8	3.40064	4.22981	6.45943	9.87112	1.32363	1.87035	4.43129	6.99200
9	3.10334	3.84922	5.81509	9.11969	1.26220	1.78355	4.22564	6.40356
10	2.86215	3.54016	5.29761	8.44747	1.20468	1.70227	4.03308	5.93182
11	2.66185	3.28337	4.87338	7.84354	1.15080	1.62613	3.85269	5.54892
12	2.49222	3.06580	4.51928	7.29914	1.10029	1.55477	3.68360	5.23445
13	2.34617	2.87828	4.21890	6.80702	1.05293	1.48784	3.52504	4.97321
14	2.21859	2.71424	3.96032	6.36104	1.00849	1.42505	3.37627	4.75372
15	2.10575	2.56879	3.73473	5.95601	0.96678	1.36611	3.23662	4.56721
16	2.00484	2.43828	3.53548	5.58741	0.92761	1.31076	3.10549	4.40690
17	1.91371	2.31991	3.35747	5.25134	0.89081	1.25876	2.98229	4.26750
18	1.83069	2.21152	3.19678	4.94438	0.85622	1.20988	2.86650	4.14483
19	1.75448	2.11140	3.05031	4.66353	0.82371	1.16393	2.75763	4.03563
20	1.68199	2.02974	2.92882	4.41031	0.79312	1.12071	2.65523	3.93726
21	1.61822	1.95725	2.81712	4.18448	0.76434	1.08005	2.55888	3.84769
22	1.55983	1.89066	2.71457	3.97771	0.73725	1.04178	2.46821	3.76525
23	1.50610	1.82918	2.61989	3.78819	0.71175	1.00574	2.38284	3.68869
24	1.45646	1.77217	2.53200	3.61425	0.68774	0.97181	2.30245	3.61699
25	1.41040	1.71910	2.45007	3.45447	0.66512	0.93985	2.22673	3.54940
26	1.36753	1.66954	2.37344	3.30752	0.64382	0.90974	2.15539	3.48536
27	1.32750	1.62315	2.30156	3.17226	0.62374	0.88138	2.08818	3.42445
28	1.29001	1.57963	2.23400	3.04763	0.60482	0.85464	2.02484	3.36639
29	1.25482	1.53873	2.17041	2.93270	0.58699	0.82945	1.96516	3.31100
30	1.22170	1.50027	2.11051	2.82664	0.57019	0.80571	1.90891	3.25817
31	1.19048	1.46407	2.05406	2.72869	0.55436	0.78334	1.85590	3.20786
32	1.16098	1.42997	2.00088	2.63817	0.53944	0.76226	1.80596	3.16006
33	1.13307	1.39784	1.95079	2.55447	0.52539	0.74240	1.75890	3.11483
34	1.10663	1.36756	1.90364	2.47704	0.51215	0.72369	1.71459	3.07218
35	1.08153	1.33904	1.85931	2.40538	0.49968	0.70608	1.67286	3.03220
36	1.05769	1.31217	1.81767	2.33906	0.48795	0.68950	1.63358	2.99493
37	1.03500	1.28684	1.77859	2.27765	0.47691	0.67390	1.59662	2.96040
38	1.01339	1.26299	1.74197	2.22080	0.46654	0.65924	1.56188	2.92867
39	0.99277	1.24052	1.70769	2.16817	0.45679	0.64546	1.52924	2.89975
40	0.97309	1.21936	1.67563	2.11948	0.44763	0.63253	1.49860	2.87362
41	0.95428	1.19941	1.64568	2.07444	0.43905	0.62040	1.46987	2.85027
42	0.93628	1.18060	1.61770	2.03281	0.43101	0.60904	1.44295	2.82961
43	0.91902	1.16285	1.59156	1.99438	0.42349	0.59841	1.41778	2.81149
44	0.90246	1.14608	1.56712	1.95895	0.41647	0.58849	1.39427	2.79583
45	0.88655	1.13018	1.54423	1.92634	0.40992	0.57924	1.37236	2.78239
46	0.87123	1.11508	1.52270	1.89639	0.40384	0.57064	1.35198	2.77093
47	0.85646	1.10065	1.50237	1.86895	0.39819	0.56266	1.33308	2.76110
48	0.84242	1.08690	1.48304	1.84389	0.39297	0.55529	1.31560	2.75251
49	0.84088	1.08522	1.48018	1.82116	0.38816	0.54849	1.29949	2.75251
50	0.83943	1.08363	1.47748	1.80078	0.38374	0.54225	1.28471	2.75251
51	0.83805	1.08213	1.47493	1.78264	0.37971	0.53655	1.27121	2.75251
52	0.83675	1.08071	1.47252	1.76666	0.37605	0.53138	1.25897	2.75251
53	0.83552	1.07937	1.47024	1.75275	0.37276	0.52673	1.24794	2.75251
54	0.83434	1.07809	1.46809	1.74085	0.36982	0.52257	1.23809	2.75251
55	0.83323	1.07688	1.46604	1.73090	0.36722	0.51891	1.22941	2.75251
56	0.86578	1.12671	1.54758	1.72286	0.36497	0.51572	1.22186	2.86200
57	0.89838	1.17661	1.62920	1.71668	0.36305	0.51300	1.21542	2.97149
58	0.93102	1.22655	1.71092	1.71235	0.36145	0.51075	1.21009	3.08099
59	0.96371	1.27654	1.79273	1.70984	0.36018	0.50896	1.20583	3.19048
60	0.99644	1.32658	1.87461	1.70914	0.35923	0.50761	1.20265	3.29997
61	1.02921	1.37667	1.95657	1.71026	0.35860	0.50672	1.20054	3.40946
62	1.06202	1.42679	2.03860	1.71320	0.35829	0.50628	1.19948	3.51895
63	1.09486	1.47695	2.12069	1.71799	0.35829	0.50628	1.19949	3.62845
64	1.12774	1.52715	2.20285	1.72465	0.35860	0.50672	1.20054	3.73794
65	1.16065	1.57738	2.28506	1.73323	0.35923	0.50762	1.20265	3.84743

El Paso 1996 Summer Time Period 4 CO Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HdGV	LDDV	LDDT	HDDV	MC
3	80.65579	104.56339	152.15903	213.57257	5.47653	6.30152	39.29140	148.98367
4	61.97491	80.38554	117.22864	195.13213	5.04724	5.80757	36.21147	118.81773
5	50.64709	65.50940	94.97159	178.67644	4.66008	5.36208	33.43378	97.04509
6	43.05136	55.46240	79.63086	163.96895	4.31045	4.95978	30.92531	80.97862
7	37.61256	48.25154	68.50154	150.80339	3.99431	4.59603	28.65723	68.88106
8	33.53258	42.84630	60.12141	139.00038	3.70811	4.26670	26.60384	59.60162
9	30.36296	38.65829	53.62564	128.40340	3.44868	3.96820	24.74258	52.36145
10	27.83232	35.32700	48.46991	118.87550	3.21325	3.69730	23.05347	46.62186
11	25.76674	32.61923	44.29517	110.29709	2.99934	3.45117	21.51880	42.00357
12	24.04967	30.37764	40.85585	102.56300	2.80477	3.22729	20.12288	38.23447
13	22.60020	28.49239	37.97879	95.58136	2.62760	3.02343	18.85179	35.11623
14	21.36028	26.88448	35.53902	89.27097	2.46611	2.83761	17.69316	32.50198
15	20.28737	25.49576	33.44414	83.56104	2.31876	2.66806	16.63597	30.28180
16	19.34953	24.28261	31.62500	78.38841	2.18418	2.51321	15.67048	28.37225
17	18.52231	23.21173	30.02866	73.69812	2.06116	2.37166	14.78789	26.70929
18	17.78677	22.25731	28.61421	69.44096	1.94862	2.24216	13.98044	25.24362
19	17.12801	21.39923	27.34988	65.57379	1.84557	2.12360	13.24113	23.93684
20	16.44588	20.66895	26.30255	62.05847	1.75116	2.01496	12.56379	22.75911
21	15.73782	19.86110	25.21902	58.86089	1.66461	1.91537	11.94280	21.68701
22	15.09279	19.12012	24.22917	55.95099	1.58521	1.82401	11.37319	20.70242
23	14.50244	18.43689	23.31969	53.30212	1.51236	1.74018	10.85047	19.79115
24	13.95991	17.80408	22.47993	50.89046	1.44548	1.66323	10.37064	18.94226
25	13.45948	17.21585	21.70131	48.69499	1.38407	1.59257	9.93008	18.14752
26	12.99636	16.66747	20.97676	46.69681	1.32769	1.52770	9.52556	17.40047
27	12.56652	16.15509	20.30081	44.87929	1.27592	1.46813	9.15416	16.69643
28	12.16655	15.67561	19.66872	43.22743	1.22841	1.41346	8.81327	16.03180
29	11.79353	15.22639	19.07681	41.72815	1.18482	1.36330	8.50053	15.40414
30	11.44494	14.80527	18.52193	40.36954	1.14486	1.31732	8.21382	14.81166
31	11.11863	14.41042	18.00146	39.14116	1.10826	1.27521	7.95124	14.25289
32	10.81268	14.04022	17.51318	38.03377	1.07479	1.23669	7.71108	13.72684
33	10.52543	13.69324	17.05524	37.03912	1.04422	1.20152	7.49180	13.23306
34	10.25541	13.36820	16.62587	36.14995	1.01637	1.16948	7.29199	12.77056
35	10.00131	13.06392	16.22359	35.35979	0.99107	1.14037	7.11046	12.33914
36	9.76194	12.77929	15.84700	34.66302	0.96816	1.11401	6.94608	11.93781
37	9.53624	12.51329	15.49483	34.05492	0.94750	1.09023	6.79786	11.56641
38	9.32325	12.26493	15.16583	33.53114	0.92897	1.06891	6.66491	11.22377
39	9.12208	12.03322	14.85878	33.08809	0.91246	1.04992	6.54648	10.90913
40	8.93193	11.81724	14.57254	32.72282	0.89788	1.03314	6.44186	10.62151
41	8.75205	11.61605	14.30594	32.43292	0.88514	1.01848	6.35046	10.35973
42	8.58171	11.42870	14.05768	32.21632	0.87417	1.00586	6.27176	10.12216
43	8.42027	11.25420	13.82663	32.07170	0.86491	0.99520	6.20532	9.90733
44	8.26709	11.09153	13.61140	31.99800	0.85731	0.98646	6.15077	9.71308
45	8.12154	10.93956	13.41069	31.99483	0.85132	0.97957	6.10781	9.53741
46	7.98301	10.79700	13.22293	32.06203	0.84691	0.97449	6.07619	9.37776
47	7.85087	10.66248	13.04642	32.20026	0.84406	0.97122	6.05574	9.23101
48	7.72451	10.53443	12.87944	32.41025	0.84276	0.96971	6.04636	9.09406
49	7.72451	10.53443	12.87944	32.69345	0.84298	0.96997	6.04800	9.09406
50	7.72451	10.53443	12.87944	33.05174	0.84475	0.97200	6.06065	9.09406
51	7.72451	10.53443	12.87944	33.48756	0.84806	0.97581	6.08439	9.09406
52	7.72451	10.53443	12.87944	34.00386	0.85293	0.98142	6.11936	9.09406
53	7.72451	10.53443	12.87944	34.60416	0.85939	0.98886	6.16574	9.09406
54	7.72451	10.53443	12.87944	35.29266	0.86748	0.99816	6.22378	9.09406
55	7.72451	10.53443	12.87944	36.07408	0.87725	1.00940	6.29382	9.09406
56	8.83485	12.34459	15.34493	36.95399	0.88873	1.02261	6.37624	11.28417
57	9.94519	14.15476	17.81039	37.93877	0.90201	1.03789	6.47150	13.47429
58	11.05552	15.96492	20.27585	39.03557	0.91716	1.05532	6.58015	15.66440
59	12.16586	17.77505	22.74136	40.25256	0.93425	1.07499	6.70281	17.85451
60	13.27619	19.58519	25.20682	41.59891	0.95340	1.09702	6.84020	20.04460
61	14.38653	21.39534	27.67232	43.08499	0.97472	1.12155	6.99313	22.23473
62	15.49685	23.20552	30.13782	44.72241	0.99832	1.14871	7.16249	24.42482
63	16.60718	25.01570	32.60329	46.52432	1.02436	1.17867	7.34931	26.61493
64	17.71750	26.82585	35.06880	48.50540	1.05300	1.21162	7.55476	28.80501
65	18.82782	28.63602	37.53424	50.68207	1.08440	1.24776	7.78009	30.99513

El Paso 1996 Summer Time Period 4 NOx Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	2.33566	2.57133	2.93892	4.47339	2.82175	3.24855	25.92682	0.92604
4	2.14913	2.36822	2.74452	4.51968	2.70291	3.11173	24.83485	0.88574
5	2.03588	2.24542	2.62854	4.56598	2.59275	2.98491	23.82268	0.85230
6	1.95949	2.16328	2.55221	4.61226	2.49061	2.86732	22.88422	0.82520
7	1.90432	2.10475	2.49887	4.65856	2.39590	2.75828	22.01398	0.80391
8	1.86255	2.06125	2.46013	4.70485	2.30806	2.65716	21.20694	0.78796
9	1.82981	2.02800	2.43131	4.75114	2.22661	2.56338	20.45851	0.77688
10	1.80349	2.00208	2.40955	4.79743	2.15107	2.47643	19.76454	0.77021
11	1.78188	1.98162	2.39302	4.84372	2.08106	2.39582	19.12123	0.76751
12	1.76388	1.96534	2.38047	4.89001	2.01619	2.32114	18.52516	0.76839
13	1.74868	1.95234	2.37100	4.93630	1.95611	2.25197	17.97314	0.77243
14	1.73572	1.94196	2.36399	4.98259	1.90052	2.18798	17.46240	0.77926
15	1.72458	1.93370	2.35892	5.02889	1.84913	2.12882	16.99025	0.78853
16	1.71494	1.92717	2.35544	5.07518	1.80170	2.07420	16.55437	0.79988
17	1.70655	1.92205	2.35324	5.12147	1.75797	2.02386	16.15257	0.81300
18	1.69922	1.91812	2.35208	5.16776	1.71774	1.97755	15.78295	0.82758
19	1.69278	1.91516	2.35176	5.21405	1.68081	1.93504	15.44368	0.84334
20	1.69383	1.91655	2.35600	5.26034	1.64702	1.89613	15.13319	0.86001
21	1.70334	1.93181	2.37393	5.30663	1.61620	1.86065	14.85002	0.87734
22	1.71211	1.94609	2.39076	5.35292	1.58821	1.82843	14.59283	0.89511
23	1.72024	1.95949	2.40658	5.39921	1.56292	1.79932	14.36050	0.91309
24	1.72781	1.97208	2.42149	5.44550	1.54022	1.77318	14.15193	0.93109
25	1.73489	1.98393	2.43556	5.49179	1.52001	1.74991	13.96620	0.94895
26	1.74153	1.99509	2.44887	5.53808	1.50220	1.72940	13.80252	0.96650
27	1.74779	2.00562	2.46146	5.58438	1.48670	1.71156	13.66012	0.98360
28	1.75370	2.01554	2.47340	5.63067	1.47345	1.69631	13.53840	1.00014
29	1.75932	2.02490	2.48473	5.67696	1.46240	1.68359	13.43685	1.01601
30	1.76466	2.03372	2.49549	5.72325	1.45349	1.67333	13.35500	1.03114
31	1.76975	2.04205	2.50574	5.76954	1.44669	1.66550	13.29250	1.04546
32	1.77464	2.04990	2.51551	5.81583	1.44197	1.66006	13.24912	1.05891
33	1.77933	2.05732	2.52485	5.86212	1.43930	1.65700	13.22463	1.07148
34	1.78385	2.06432	2.53381	5.90841	1.43868	1.65628	13.21894	1.08315
35	1.78823	2.07095	2.54244	5.95471	1.44011	1.65793	13.23204	1.09394
36	1.79248	2.07724	2.55078	6.00100	1.44358	1.66193	13.26396	1.10388
37	1.79663	2.08321	2.55888	6.04728	1.44912	1.66830	13.31487	1.11300
38	1.80069	2.08891	2.56680	6.09358	1.45675	1.67708	13.38495	1.12137
39	1.80469	2.09437	2.57460	6.13987	1.46650	1.68831	13.47451	1.12908
40	1.80865	2.09963	2.58234	6.18616	1.47841	1.70202	13.58398	1.13623
41	1.81258	2.10474	2.59007	6.23245	1.49254	1.71829	13.71376	1.14294
42	1.81651	2.10975	2.59787	6.27874	1.50894	1.73717	13.86448	1.14934
43	1.82045	2.11469	2.60579	6.32503	1.52769	1.75875	14.03678	1.15560
44	1.82443	2.11962	2.61392	6.37133	1.54887	1.78314	14.23139	1.16189
45	1.82848	2.12459	2.62233	6.41761	1.57258	1.81043	14.44922	1.16841
46	1.83260	2.12967	2.63110	6.46391	1.59892	1.84076	14.69122	1.17536
47	1.83684	2.13491	2.64032	6.51020	1.62801	1.87425	14.95851	1.18298
48	1.84120	2.14037	2.65007	6.55649	1.65998	1.91106	15.25230	1.19151
49	1.91135	2.22655	2.76213	6.60278	1.69499	1.95136	15.57397	1.23031
50	1.98150	2.31274	2.87418	6.64907	1.73320	1.99535	15.92501	1.26911
51	2.05165	2.39893	2.98624	6.69536	1.77478	2.04322	16.30707	1.30791
52	2.12180	2.48512	3.09829	6.74165	1.81995	2.09522	16.72209	1.34671
53	2.19195	2.57131	3.21035	6.78794	1.86891	2.15159	17.17198	1.38551
54	2.26210	2.65750	3.32240	6.83423	1.92193	2.21262	17.65904	1.42430
55	2.33224	2.74369	3.43446	6.88053	1.97925	2.27862	18.18578	1.46310
56	2.40240	2.82988	3.54651	6.92681	2.04118	2.34991	18.75478	1.50190
57	2.47254	2.91607	3.65857	6.97311	2.10804	2.42688	19.36909	1.54070
58	2.54270	3.00226	3.77062	7.01940	2.18018	2.50994	20.03194	1.57950
59	2.61284	3.08846	3.88268	7.06569	2.25800	2.59952	20.74693	1.61830
60	2.68299	3.17464	3.99473	7.11198	2.34191	2.69613	21.51799	1.65709
61	2.75314	3.26083	4.10679	7.15827	2.43240	2.80031	22.34937	1.69589
62	2.82329	3.34702	4.21884	7.20456	2.52997	2.91263	23.24586	1.73469
63	2.89344	3.43321	4.33090	7.25086	2.63520	3.03378	24.21272	1.77349
64	2.96359	3.51940	4.44295	7.29714	2.74870	3.16445	25.25560	1.81229
65	3.03374	3.60559	4.55501	7.34344	2.87117	3.30544	26.38083	1.85109

El Paso 1996 Winter Time Period 1 VOC Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	12.12130	15.03910	22.31371	17.65363	1.70444	2.41129	5.83764	16.66141
4	9.33048	11.67277	17.40352	16.11720	1.61821	2.28930	5.54229	13.71913
5	7.63818	9.58884	14.24242	14.73907	1.53769	2.17538	5.26651	11.53993
6	6.50257	8.17305	12.04604	13.50130	1.46246	2.06896	5.00885	9.89509
7	5.68851	7.15154	10.44275	12.38817	1.39214	1.96947	4.76800	8.63209
8	5.07706	6.38230	9.22981	11.38582	1.32636	1.87642	4.54272	7.64704
9	4.60145	5.78396	8.28627	10.48207	1.26481	1.78933	4.33190	6.86773
10	4.22126	5.30643	7.53539	9.66621	1.20717	1.70780	4.13450	6.24297
11	3.91060	4.91719	6.92620	8.92878	1.15318	1.63141	3.94957	5.73587
12	3.65210	4.59418	6.42356	8.26140	1.10256	1.55981	3.77623	5.31940
13	3.43370	4.32196	6.00259	7.65671	1.05511	1.49266	3.61368	4.97342
14	3.24674	4.08939	5.64520	7.10816	1.01058	1.42967	3.46117	4.68272
15	3.08486	3.88826	5.33799	6.60995	0.96878	1.37054	3.31802	4.43571
16	2.94330	3.71237	5.07085	6.15696	0.92953	1.31501	3.18358	4.22341
17	2.81840	3.55702	4.83606	5.74462	0.89265	1.26284	3.05728	4.03878
18	2.70732	3.41854	4.62761	5.36887	0.85799	1.21381	2.93858	3.87633
19	2.60783	3.29405	4.44084	5.02610	0.82541	1.16771	2.82697	3.73171
20	2.50508	3.18438	4.27692	4.71309	0.79476	1.12435	2.72200	3.60144
21	2.40237	3.06440	4.10770	4.42697	0.76592	1.08355	2.62323	3.48280
22	2.30881	2.95447	3.95263	4.16518	0.73878	1.04516	2.53027	3.37363
23	2.22320	2.85324	3.80968	3.92543	0.71323	1.00901	2.44276	3.27223
24	2.14453	2.75959	3.67723	3.70566	0.68916	0.97497	2.36034	3.17727
25	2.07197	2.67266	3.55399	3.50405	0.66650	0.94290	2.28272	3.08776
26	2.00483	2.59169	3.43889	3.31894	0.64515	0.91270	2.20959	3.00295
27	1.94252	2.51609	3.33112	3.14887	0.62503	0.88423	2.14069	2.92229
28	1.88453	2.44538	3.22999	2.99250	0.60607	0.85741	2.07576	2.84539
29	1.83044	2.37914	3.13498	2.84863	0.58821	0.83214	2.01457	2.77203
30	1.77989	2.31704	3.04562	2.71621	0.57137	0.80832	1.95691	2.70206
31	1.73255	2.25876	2.96157	2.59426	0.55551	0.78588	1.90257	2.63544
32	1.68815	2.20407	2.88251	2.48191	0.54056	0.76473	1.85137	2.57213
33	1.64644	2.15272	2.80818	2.37838	0.52647	0.74480	1.80314	2.51223
34	1.60720	2.10453	2.73837	2.28295	0.51321	0.72604	1.75770	2.45574
35	1.57026	2.05931	2.67286	2.19499	0.50072	0.70837	1.71492	2.40279
36	1.53544	2.01690	2.61146	2.11392	0.48896	0.69173	1.67465	2.35343
37	1.50257	1.97714	2.55399	2.03922	0.47790	0.67609	1.63678	2.30771
38	1.47153	1.93987	2.50028	1.97043	0.46750	0.66138	1.60116	2.26569
39	1.44218	1.90496	2.45015	1.90710	0.45773	0.64755	1.56770	2.22739
40	1.41442	1.87226	2.40342	1.84886	0.44856	0.63458	1.53629	2.19277
41	1.38812	1.84165	2.35992	1.79536	0.43996	0.62241	1.50683	2.16186
42	1.36319	1.81297	2.31944	1.74628	0.43190	0.61102	1.47924	2.13449
43	1.33953	1.78610	2.28178	1.70134	0.42437	0.60036	1.45343	2.11050
44	1.31706	1.76089	2.24675	1.66029	0.41733	0.59040	1.42933	2.08975
45	1.29568	1.73719	2.21408	1.62290	0.41077	0.58112	1.40687	2.07196
46	1.27532	1.71484	2.18353	1.58895	0.40467	0.57249	1.38598	2.05678
47	1.25587	1.69365	2.15482	1.55827	0.39901	0.56449	1.36660	2.04376
48	1.23727	1.67344	2.12765	1.53069	0.39378	0.55709	1.34868	2.03238
49	1.23727	1.67344	2.12765	1.50606	0.38896	0.55027	1.33217	2.03238
50	1.23727	1.67344	2.12765	1.48426	0.38454	0.54401	1.31701	2.03238
51	1.23727	1.67344	2.12765	1.46516	0.38050	0.53829	1.30318	2.03238
52	1.23727	1.67344	2.12765	1.44868	0.37683	0.53311	1.29062	2.03238
53	1.23727	1.67344	2.12765	1.43472	0.37353	0.52844	1.27932	2.03238
54	1.23727	1.67344	2.12765	1.42322	0.37058	0.52427	1.26923	2.03238
55	1.23727	1.67344	2.12765	1.41412	0.36798	0.52059	1.26032	2.03238
56	1.29998	1.76745	2.26522	1.40737	0.36572	0.51739	1.25258	2.17738
57	1.36269	1.86145	2.40278	1.40294	0.36380	0.51467	1.24599	2.32240
58	1.42540	1.95546	2.54035	1.40081	0.36220	0.51241	1.24052	2.46740
59	1.48810	2.04946	2.67792	1.40096	0.36093	0.51061	1.23616	2.61241
60	1.55081	2.14347	2.81549	1.40339	0.35998	0.50926	1.23290	2.75742
61	1.61352	2.23747	2.95306	1.40813	0.35934	0.50837	1.23073	2.90243
62	1.67622	2.33148	3.09062	1.41519	0.35903	0.50792	1.22965	3.04744
63	1.73893	2.42548	3.22819	1.42461	0.35903	0.50792	1.22965	3.19245
64	1.80164	2.51949	3.36576	1.43643	0.35934	0.50837	1.23073	3.33745
65	1.86435	2.61349	3.50333	1.45072	0.35998	0.50926	1.23290	3.48246

El Paso 1996 Winter Time Period 1 CO Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	151.75558	184.06230	250.53709	263.40674	5.48085	6.30413	39.67099	215.01674
4	116.60904	141.69308	193.25352	240.66373	5.05123	5.80997	36.56131	171.48053
5	95.33658	115.65675	156.80478	220.36827	4.66376	5.36430	33.75677	140.05774
6	81.08664	98.08365	131.69748	202.22899	4.31385	4.96183	31.22408	116.87027
7	70.88716	85.47433	113.48553	185.99136	3.99747	4.59793	28.93410	99.41075
8	63.23586	76.02255	99.77052	171.43440	3.71104	4.26847	26.86086	86.01851
9	57.29041	68.69838	89.13670	158.36467	3.45141	3.96984	24.98161	75.56929
10	52.54181	62.87131	80.69359	146.61354	3.21579	3.69882	23.27617	67.28581
11	48.66422	58.13367	73.85449	136.03349	3.00171	3.45259	21.72668	60.62059
12	45.43945	54.21075	68.21800	126.49481	2.80699	3.22862	20.31728	55.18091
13	42.71611	50.91066	63.50143	117.88406	2.62968	3.02468	19.03391	50.68053
14	40.38568	48.09537	59.50055	110.10121	2.46806	2.83878	17.86409	46.90761
15	38.36858	45.66338	56.06461	103.05898	2.32059	2.66916	16.79669	43.70341
16	36.60503	43.53845	53.08046	96.67937	2.18591	2.51425	15.82187	40.94745
17	35.04932	41.66229	50.46172	90.89464	2.06279	2.37265	14.93075	38.54744
18	33.66602	39.98993	48.14153	85.64417	1.95016	2.24309	14.11550	36.43217
19	32.42720	38.48611	46.06784	80.87462	1.84703	2.12447	13.36905	34.54619
20	31.13837	37.16779	44.28108	76.53902	1.75255	2.01580	12.68517	32.84648
21	29.79790	35.69196	42.41615	72.59531	1.66593	1.91616	12.05817	31.29919
22	28.57704	34.33864	40.71341	69.00645	1.58647	1.82477	11.48306	29.87825
23	27.46008	33.09108	39.14996	65.73952	1.51355	1.74090	10.95530	28.56306
24	26.43384	31.93596	37.70744	62.76515	1.44662	1.66391	10.47083	27.33791
25	25.48753	30.86252	36.37085	60.05733	1.38517	1.59323	10.02601	26.19092
26	24.61205	29.86212	35.12807	57.59296	1.32874	1.52833	9.61758	25.11276
27	23.79968	28.92761	33.96936	55.35132	1.27693	1.46874	9.24259	24.09665
28	23.04398	28.05327	32.88651	53.31401	1.22938	1.41404	8.89841	23.13744
29	22.33931	27.23430	31.87297	51.46490	1.18575	1.36387	8.58265	22.23160
30	21.68089	26.46660	30.92310	49.78928	1.14576	1.31786	8.29317	21.37651
31	21.06456	25.74681	30.03236	48.27425	1.10913	1.27574	8.02806	20.57008
32	20.48669	25.07195	29.19667	46.90849	1.07563	1.23720	7.78557	19.81085
33	19.94409	24.43933	28.41273	45.68173	1.04505	1.20202	7.56417	19.09824
34	19.43398	23.84662	27.67740	44.58508	1.01718	1.16996	7.36244	18.43076
35	18.95375	23.29158	26.98810	43.61053	0.99186	1.14084	7.17915	17.80812
36	18.50124	22.77220	26.34222	42.75124	0.96893	1.11447	7.01319	17.22891
37	18.07434	22.28658	25.73759	42.00121	0.94825	1.09068	6.86353	16.69290
38	17.67130	21.83287	25.17201	41.35522	0.92971	1.06936	6.72930	16.19839
39	17.29042	21.40932	24.64336	40.80881	0.91318	1.05035	6.60972	15.74431
40	16.93011	21.01424	24.14967	40.35834	0.89859	1.03357	6.50410	15.32920
41	16.58904	20.64592	23.68901	40.00075	0.88584	1.01890	6.41181	14.95140
42	16.26582	20.30258	23.25909	39.73363	0.87486	1.00628	6.33235	14.60854
43	15.95928	19.98256	22.85805	39.55522	0.86560	0.99562	6.26527	14.29849
44	15.66817	19.68391	22.48360	39.46432	0.85799	0.98686	6.21019	14.01815
45	15.39138	19.40469	22.13358	39.46046	0.85199	0.97997	6.16681	13.76462
46	15.12777	19.14259	21.80542	39.54338	0.84758	0.97490	6.13489	13.53421
47	14.87624	18.89511	21.49643	39.71378	0.84473	0.97162	6.11424	13.32241
48	14.63564	18.65948	21.20378	39.97279	0.84342	0.97011	6.10477	13.12476
49	14.63564	18.65948	21.20378	40.32207	0.84365	0.97037	6.10643	13.12476
50	14.63564	18.65948	21.20378	40.76395	0.84542	0.97240	6.11920	13.12476
51	14.63564	18.65948	21.20378	41.30151	0.84873	0.97621	6.14317	13.12476
52	14.63564	18.65948	21.20378	41.93825	0.85360	0.98182	6.17847	13.12476
53	14.63564	18.65948	21.20378	42.67859	0.86007	0.98926	6.22530	13.12476
54	14.63564	18.65948	21.20378	43.52774	0.86817	0.99858	6.28391	13.12476
55	14.63564	18.65948	21.20378	44.49152	0.87794	1.00981	6.35462	13.12476
56	16.71864	21.80017	25.15617	45.57680	0.88944	1.02304	6.43783	16.28557
57	18.80162	24.94086	29.10863	46.79135	0.90272	1.03832	6.53401	19.44638
58	20.88464	28.08156	33.06113	48.14404	0.91788	1.05576	6.64372	22.60719
59	22.96765	31.22224	37.01357	49.64505	0.93499	1.07544	6.76757	25.76804
60	25.05067	34.36290	40.96600	51.30548	0.95416	1.09748	6.90628	28.92880
61	27.13371	37.50360	44.91846	53.13831	0.97549	1.12201	7.06068	32.08965
62	29.21674	40.64432	48.87094	55.15782	0.99911	1.14919	7.23168	35.25046
63	31.29971	43.78500	52.82336	57.38017	1.02517	1.17916	7.42031	38.41129
64	33.38277	46.92567	56.77582	59.82350	1.05383	1.21212	7.62774	41.57211
65	35.46579	50.06639	60.72827	62.50812	1.08526	1.24827	7.85525	44.73291

El Paso 1996 Winter Time Period 1 NOx Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HdGV	LDDV	LDDT	HDDV	MC
3	3.05572	3.30263	3.63816	4.89906	2.83361	3.27935	26.65874	1.11001
4	2.81285	3.04064	3.39752	4.94975	2.71426	3.14123	25.53592	1.06171
5	2.66499	2.88188	3.25344	5.00045	2.60364	3.01320	24.49518	1.02163
6	2.56497	2.77540	3.15819	5.05114	2.50108	2.89450	23.53023	0.98913
7	2.49254	2.69931	3.09125	5.10184	2.40596	2.78443	22.63542	0.96362
8	2.43754	2.64260	3.04231	5.15254	2.31776	2.68235	21.80560	0.94450
9	2.39432	2.59911	3.00560	5.20323	2.23596	2.58769	21.03604	0.93122
10	2.35949	2.56509	2.97761	5.25393	2.16011	2.49991	20.32246	0.92322
11	2.33084	2.53813	2.95608	5.30462	2.08981	2.41854	19.66100	0.92000
12	2.30692	2.51659	2.93947	5.35532	2.02466	2.34315	19.04811	0.92104
13	2.28670	2.49932	2.92669	5.40602	1.96433	2.27332	18.48051	0.92589
14	2.26945	2.48545	2.91697	5.45671	1.90851	2.20872	17.95535	0.93408
15	2.25460	2.47435	2.90969	5.50741	1.85690	2.14900	17.46988	0.94518
16	2.24174	2.46550	2.90438	5.55810	1.80926	2.09387	17.02168	0.95879
17	2.23055	2.45853	2.90069	5.60880	1.76535	2.04305	16.60855	0.97452
18	2.22077	2.45310	2.89832	5.65949	1.72495	1.99629	16.22849	0.99200
19	2.21220	2.44895	2.89703	5.71019	1.68787	1.95338	15.87965	1.01089
20	2.21347	2.45071	2.90134	5.76089	1.65394	1.91411	15.56038	1.03087
21	2.22599	2.47076	2.92274	5.81158	1.62299	1.87829	15.26922	1.05164
22	2.23755	2.48952	2.94280	5.86227	1.59488	1.84576	15.00478	1.07293
23	2.24827	2.50711	2.96167	5.91297	1.56949	1.81638	14.76588	1.09449
24	2.25827	2.52364	2.97945	5.96366	1.54669	1.79000	14.55142	1.11607
25	2.26764	2.53919	2.99624	6.01437	1.52640	1.76651	14.36046	1.13747
26	2.27644	2.55384	3.01213	6.06506	1.50851	1.74580	14.19215	1.15851
27	2.28475	2.56765	3.02718	6.11576	1.49294	1.72779	14.04574	1.17901
28	2.29262	2.58067	3.04146	6.16645	1.47964	1.71239	13.92058	1.19884
29	2.30011	2.59295	3.05502	6.21715	1.46854	1.69955	13.81616	1.21786
30	2.30724	2.60454	3.06794	6.26784	1.45960	1.68920	13.73200	1.23600
31	2.31406	2.61547	3.08026	6.31854	1.45277	1.68129	13.66774	1.25315
32	2.32060	2.62579	3.09202	6.36923	1.44802	1.67580	13.62313	1.26928
33	2.32691	2.63553	3.10331	6.41993	1.44535	1.67271	13.59795	1.28435
34	2.33300	2.64473	3.11416	6.47063	1.44473	1.67199	13.59210	1.29834
35	2.33891	2.65344	3.12463	6.52132	1.44616	1.67364	13.60557	1.31127
36	2.34466	2.66170	3.13478	6.57202	1.44965	1.67768	13.63839	1.32318
37	2.35028	2.66955	3.14468	6.62271	1.45521	1.68412	13.69073	1.33411
38	2.35580	2.67702	3.15438	6.67341	1.46287	1.69298	13.76279	1.34415
39	2.36124	2.68419	3.16396	6.72410	1.47266	1.70431	13.85489	1.35339
40	2.36663	2.69109	3.17348	6.77480	1.48462	1.71816	13.96744	1.36196
41	2.37201	2.69778	3.18302	6.82549	1.49881	1.73458	14.10089	1.37000
42	2.37738	2.70432	3.19265	6.87620	1.51528	1.75364	14.25586	1.37768
43	2.38280	2.71077	3.20247	6.92689	1.53411	1.77543	14.43303	1.38518
44	2.38827	2.71719	3.21255	6.97759	1.55538	1.80005	14.63313	1.39272
45	2.39384	2.72366	3.22299	7.02828	1.57919	1.82760	14.85711	1.40053
46	2.39954	2.73024	3.23387	7.07898	1.60564	1.85821	15.10595	1.40887
47	2.40539	2.73701	3.24531	7.12967	1.63485	1.89202	15.38078	1.41800
48	2.41144	2.74406	3.25739	7.18037	1.66696	1.92918	15.68286	1.42823
49	2.50472	2.85491	3.39578	7.23106	1.70211	1.96986	16.01361	1.47474
50	2.59800	2.96577	3.53418	7.28176	1.74048	2.01426	16.37456	1.52124
51	2.69127	3.07663	3.67257	7.33245	1.78224	2.06259	16.76741	1.56775
52	2.78455	3.18749	3.81096	7.38315	1.82759	2.11508	17.19414	1.61425
53	2.87783	3.29834	3.94936	7.43385	1.87677	2.17199	17.65674	1.66076
54	2.97110	3.40920	4.08775	7.48454	1.93000	2.23360	18.15755	1.70727
55	3.06438	3.52006	4.22615	7.53524	1.98757	2.30022	18.69914	1.75377
56	3.15766	3.63092	4.36454	7.58593	2.04976	2.37219	19.28421	1.80028
57	3.25094	3.74178	4.50294	7.63663	2.11689	2.44989	19.91586	1.84679
58	3.34422	3.85264	4.64133	7.68732	2.18934	2.53373	20.59743	1.89329
59	3.43749	3.96350	4.77973	7.73802	2.26748	2.62417	21.33258	1.93980
60	3.53077	4.07435	4.91812	7.78872	2.35175	2.72169	22.12541	1.98631
61	3.62405	4.18521	5.05651	7.83942	2.44262	2.82685	22.98027	2.03281
62	3.71733	4.29607	5.19491	7.89011	2.54060	2.94025	23.90208	2.07932
63	3.81061	4.40693	5.33330	7.94080	2.64627	3.06254	24.89624	2.12582
64	3.90388	4.51778	5.47170	7.99150	2.76025	3.19445	25.96855	2.17233
65	3.99716	4.62864	5.61009	8.04220	2.88323	3.33677	27.12556	2.21884

El Paso 1996 Winter Time Period 2 VOC Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	15.63192	16.32069	25.67532	29.65260	1.70444	2.41129	5.83764	14.62593
4	11.33821	11.89507	18.50595	22.68933	1.61821	2.28930	5.54229	12.15701
5	8.94425	9.40737	14.45012	18.81602	1.53769	2.17538	5.26651	10.32841
6	7.42422	7.81893	11.84917	16.24751	1.46246	2.06896	5.00885	8.94820
7	6.37627	6.72081	10.04938	14.35563	1.39214	1.96947	4.76800	7.88840
8	5.73159	6.00343	8.88079	13.12115	1.32636	1.87642	4.54272	7.06183
9	5.22743	5.44866	7.98242	12.06907	1.26481	1.78933	4.33190	6.40789
10	4.80978	5.00008	7.26202	11.13556	1.20717	1.70780	4.13450	5.88365
11	4.45517	4.62906	6.67234	10.30106	1.15318	1.63141	3.94957	5.45814
12	4.14784	4.31623	6.18095	9.55066	1.10256	1.55981	3.77623	5.10866
13	3.87685	4.04805	5.76490	8.87269	1.05511	1.49266	3.61368	4.81835
14	3.63439	3.81473	5.40756	8.25769	1.01058	1.42967	3.46117	4.57442
15	3.41467	3.60908	5.09663	7.69781	0.96878	1.37054	3.31802	4.36715
16	3.21338	3.42570	4.82281	7.18653	0.92953	1.31501	3.18358	4.18900
17	3.02721	3.26042	4.57902	6.71825	0.89265	1.26284	3.05728	4.03408
18	2.85359	3.11005	4.35975	6.28821	0.85799	1.21381	2.93858	3.89777
19	2.69051	2.97208	4.16071	5.89225	0.82541	1.16771	2.82697	3.77641
20	2.55211	2.85794	3.99207	5.54522	0.79476	1.12435	2.72200	3.66710
21	2.45393	2.75305	3.83590	5.25318	0.76592	1.08355	2.62323	3.56755
22	2.36385	2.65690	3.69280	4.98573	0.73878	1.04516	2.53027	3.47594
23	2.28080	2.56833	3.56092	4.74044	0.71323	1.00901	2.44276	3.39086
24	2.20390	2.48637	3.43877	4.51517	0.68916	0.97497	2.36034	3.31117
25	2.13240	2.41025	3.32514	4.30800	0.66650	0.94290	2.28272	3.23607
26	2.06570	2.33933	3.21908	4.11723	0.64515	0.91270	2.20959	3.16490
27	2.00327	2.27308	3.11980	3.94137	0.62503	0.88423	2.14069	3.09721
28	1.94466	2.21106	3.02666	3.77906	0.60607	0.85741	2.07576	3.03269
29	1.88949	2.15292	2.93916	3.62910	0.58821	0.83214	2.01457	2.97114
30	1.83745	2.09835	2.85687	3.49041	0.57137	0.80832	1.95691	2.91242
31	1.78825	2.04707	2.77944	3.36202	0.55551	0.78588	1.90257	2.85651
32	1.74163	1.99888	2.70656	3.24307	0.54056	0.76473	1.85137	2.80339
33	1.69739	1.95355	2.63800	3.13277	0.52647	0.74480	1.80314	2.75313
34	1.65534	1.91093	2.57353	3.03042	0.51321	0.72604	1.75770	2.70573
35	1.61530	1.87084	2.51294	2.93540	0.50072	0.70837	1.71492	2.66130
36	1.57712	1.83314	2.45605	2.84712	0.48896	0.69173	1.67465	2.61988
37	1.54066	1.79769	2.40268	2.76507	0.47790	0.67609	1.63678	2.58151
38	1.50581	1.76436	2.35268	2.68879	0.46750	0.66138	1.60116	2.54625
39	1.47246	1.73303	2.30587	2.61786	0.45773	0.64755	1.56770	2.51411
40	1.44048	1.70358	2.26209	2.55191	0.44856	0.63458	1.53629	2.48507
41	1.40979	1.67588	2.22117	2.49058	0.43996	0.62241	1.50683	2.45913
42	1.38031	1.64983	2.18294	2.43358	0.43190	0.61102	1.47924	2.43616
43	1.35195	1.62531	2.14722	2.38061	0.42437	0.60036	1.45343	2.41603
44	1.32462	1.60220	2.11381	2.33143	0.41733	0.59040	1.42933	2.39862
45	1.29826	1.58036	2.08252	2.28581	0.41077	0.58112	1.40687	2.38369
46	1.27279	1.55967	2.05312	2.24355	0.40467	0.57249	1.38598	2.37095
47	1.24813	1.53998	2.02536	2.20446	0.39901	0.56449	1.36660	2.36003
48	1.22477	1.52106	1.99870	2.16825	0.39378	0.55709	1.34868	2.35048
49	1.22111	1.51701	1.99105	2.13399	0.38896	0.55027	1.33217	2.35048
50	1.21767	1.51321	1.98386	2.10296	0.38454	0.54401	1.31701	2.35048
51	1.21443	1.50962	1.97708	2.07500	0.38050	0.53829	1.30318	2.35048
52	1.21137	1.50624	1.97068	2.04997	0.37683	0.53311	1.29062	2.35048
53	1.20848	1.50304	1.96464	2.02775	0.37353	0.52844	1.27932	2.35048
54	1.20575	1.50002	1.95894	2.00823	0.37058	0.52427	1.26923	2.35048
55	1.20316	1.49716	1.95353	1.99133	0.36798	0.52059	1.26032	2.35048
56	1.24967	1.56673	2.05700	1.97696	0.36572	0.51739	1.25258	2.47216
57	1.29630	1.63644	2.16074	1.96508	0.36380	0.51467	1.24599	2.59383
58	1.34305	1.70628	2.26472	1.95562	0.36220	0.51241	1.24052	2.71551
59	1.38992	1.77624	2.36893	1.94854	0.36093	0.51061	1.23616	2.83719
60	1.43688	1.84632	2.47336	1.94383	0.35998	0.50926	1.23290	2.95887
61	1.48394	1.91650	2.57799	1.94147	0.35934	0.50837	1.23073	3.08055
62	1.53109	1.98678	2.68281	1.94147	0.35903	0.50792	1.22965	3.20223
63	1.57833	2.05715	2.78780	1.94382	0.35903	0.50792	1.22965	3.32391
64	1.62564	2.12761	2.89296	1.94857	0.35934	0.50837	1.23073	3.44559
65	1.67303	2.19816	2.99827	1.95573	0.35998	0.50926	1.23290	3.56727

El Paso 1996 Winter Time Period 2 CO Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	134.78586	161.48639	214.02069	250.13951	5.48085	6.30413	39.67099	172.59195
4	103.56963	124.25511	165.01842	228.54185	5.05123	5.80997	36.56131	137.64583
5	84.68007	101.40933	133.93134	209.26860	4.66376	5.36430	33.75677	112.42305
6	72.02747	85.99962	112.55116	192.04295	4.31385	4.96183	31.22408	93.81067
7	62.97121	74.94397	97.05383	176.62321	3.99747	4.59793	28.93410	79.79610
8	56.17719	66.65511	85.38527	162.79942	3.71104	4.26847	26.86086	69.04622
9	50.89754	60.22954	76.33672	150.38806	3.45141	3.96984	24.98161	60.65877
10	46.68024	55.11484	69.14967	139.22882	3.21579	3.69882	23.27617	54.00967
11	43.23616	50.95424	63.32516	129.18169	3.00171	3.45259	21.72668	48.65956
12	40.37172	47.50735	58.52229	120.12338	2.80699	3.22862	20.31728	44.29321
13	37.95248	44.60646	54.50113	111.94641	2.62968	3.02468	19.03391	40.68077
14	35.88223	42.13092	51.08835	104.55553	2.46806	2.83878	17.86409	37.65230
15	34.09024	39.99211	48.15616	97.86801	2.32059	2.66916	16.79669	35.08034
16	32.52350	38.12335	45.60851	91.80975	2.18591	2.51425	15.82187	32.86813
17	31.14154	36.47380	43.37230	86.31639	2.06279	2.37265	14.93075	30.94168
18	29.91283	35.00407	41.39076	81.33035	1.95016	2.24309	14.11550	29.24377
19	28.81261	33.68335	39.61957	76.80104	1.84703	2.12447	13.36905	27.72992
20	27.67331	32.53502	38.10214	72.68381	1.75255	2.01580	12.68517	26.36555
21	26.49481	31.24963	36.51262	68.93875	1.66593	1.91616	12.05817	25.12358
22	25.42163	30.07202	35.06158	65.53065	1.58647	1.82477	11.48306	23.98299
23	24.43988	28.98752	33.72969	62.42827	1.51355	1.74090	10.95530	22.92732
24	23.53812	27.98438	32.50114	59.60373	1.44662	1.66391	10.47083	21.94389
25	22.70668	27.05313	31.36324	57.03235	1.38517	1.59323	10.02601	21.02321
26	21.93762	26.18599	30.30560	54.69209	1.32874	1.52833	9.61758	20.15778
27	21.22414	25.37665	29.31979	52.56335	1.27693	1.46874	9.24259	19.34218
28	20.56049	24.61995	28.39883	50.62865	1.22938	1.41404	8.89841	18.57224
29	19.94170	23.91153	27.53703	48.87265	1.18575	1.36387	8.58265	17.84509
30	19.36360	23.24776	26.72960	47.28145	1.14576	1.31786	8.29317	17.15874
31	18.82245	22.62550	25.97240	45.84273	1.10913	1.27574	8.02806	16.51143
32	18.31508	22.04210	25.26205	44.54579	1.07563	1.23720	7.78557	15.90202
33	17.83865	21.49504	24.59564	43.38084	1.04505	1.20202	7.56417	15.33000
34	17.39069	20.98225	23.97047	42.33937	1.01718	1.16996	7.36244	14.79420
35	16.96893	20.50182	23.38428	41.41391	0.99186	1.14084	7.17915	14.29443
36	16.57144	20.05182	22.83475	40.59793	0.96893	1.11447	7.01319	13.82950
37	16.19643	19.63058	22.32016	39.88564	0.94825	1.09068	6.86353	13.39924
38	15.84225	19.23654	21.83841	39.27225	0.92971	1.06936	6.72930	13.00231
39	15.50744	18.86816	21.38782	38.75331	0.91318	1.05035	6.60972	12.63781
40	15.19066	18.52393	20.96667	38.32556	0.89859	1.03357	6.50410	12.30461
41	14.89067	18.20239	20.57329	37.98596	0.88584	1.01890	6.41181	12.00136
42	14.60631	17.90205	20.20578	37.73232	0.87486	1.00628	6.33235	11.72614
43	14.33650	17.62146	19.86256	37.56291	0.86560	0.99562	6.26527	11.47727
44	14.08021	17.35905	19.54172	37.47658	0.85799	0.98686	6.21019	11.25224
45	13.83645	17.11316	19.24146	37.47287	0.85199	0.97997	6.16681	11.04873
46	13.60425	16.88191	18.95961	37.55157	0.84758	0.97490	6.13489	10.86378
47	13.38264	16.66330	18.69398	37.71344	0.84473	0.97162	6.11424	10.69378
48	13.17067	16.45505	18.44226	37.95940	0.84342	0.97011	6.10477	10.53513
49	13.17067	16.45505	18.44226	38.29108	0.84365	0.97037	6.10643	10.53513
50	13.17067	16.45505	18.44226	38.71072	0.84542	0.97240	6.11920	10.53513
51	13.17067	16.45505	18.44226	39.22116	0.84873	0.97621	6.14317	10.53513
52	13.17067	16.45505	18.44226	39.82591	0.85360	0.98182	6.17847	10.53513
53	13.17067	16.45505	18.44226	40.52895	0.86007	0.98926	6.22530	10.53513
54	13.17067	16.45505	18.44226	41.33531	0.86817	0.99858	6.28391	10.53513
55	13.17067	16.45505	18.44226	42.25049	0.87794	1.00981	6.35462	10.53513
56	15.02803	19.20451	21.84045	43.28114	0.88944	1.02304	6.43783	13.07229
57	16.88538	21.95401	25.23868	44.43451	0.90272	1.03832	6.53401	15.60946
58	18.74272	24.70346	28.63690	45.71907	0.91788	1.05576	6.64372	18.14659
59	20.60008	27.45297	32.03516	47.14450	0.93499	1.07544	6.76757	20.68376
60	22.45740	30.20251	35.43341	48.72134	0.95416	1.09748	6.90628	23.22089
61	24.31480	32.95201	38.83165	50.46181	0.97549	1.12201	7.06068	25.75807
62	26.17215	35.70152	42.22989	52.37961	0.99911	1.14919	7.23168	28.29521
63	28.02953	38.45102	45.62808	54.49002	1.02517	1.17916	7.42031	30.83240
64	29.88686	41.20053	49.02632	56.81033	1.05383	1.21212	7.62774	33.36954
65	31.74423	43.94998	52.42456	59.35965	1.08526	1.24827	7.85525	35.90669

El Paso 1996 Winter Time Period 2 NOx Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDBGV	LDDV	LDDT	HDDV	MC
3	2.68738	2.91219	3.24116	4.56683	2.83361	3.27935	26.65874	1.00083
4	2.47406	2.68246	3.03059	4.61408	2.71426	3.14123	25.53592	0.95728
5	2.34420	2.54321	2.90476	4.66134	2.60364	3.01320	24.49518	0.92114
6	2.25637	2.44985	2.82183	4.70860	2.50108	2.89450	23.53023	0.89184
7	2.19279	2.38321	2.76379	4.75586	2.40596	2.78443	22.63542	0.86884
8	2.14454	2.33361	2.72159	4.80312	2.31776	2.68235	21.80560	0.85160
9	2.10665	2.29567	2.69016	4.85037	2.23596	2.58769	21.03604	0.83962
10	2.07614	2.26610	2.66642	4.89763	2.16011	2.49991	20.32246	0.83241
11	2.05107	2.24278	2.64838	4.94489	2.08981	2.41854	19.66100	0.82950
12	2.03017	2.22426	2.63468	4.99215	2.02466	2.34315	19.04811	0.83045
13	2.01252	2.20952	2.62437	5.03941	1.96433	2.27332	18.48051	0.83482
14	1.99749	2.19780	2.61674	5.08666	1.90851	2.20872	17.95535	0.84220
15	1.98458	2.18854	2.61127	5.13392	1.85690	2.14900	17.46988	0.85221
16	1.97342	2.18129	2.60752	5.18118	1.80926	2.09387	17.02168	0.86448
17	1.96373	2.17569	2.60520	5.22844	1.76535	2.04305	16.60855	0.87866
18	1.95528	2.17146	2.60402	5.27570	1.72495	1.99629	16.22849	0.89442
19	1.94788	2.16837	2.60378	5.32295	1.68787	1.95338	15.87965	0.91146
20	1.94913	2.17038	2.60835	5.37021	1.65394	1.91411	15.56038	0.92947
21	1.96019	2.18833	2.62783	5.41747	1.62299	1.87829	15.26922	0.94820
22	1.97040	2.20516	2.64612	5.46472	1.59488	1.84576	15.00478	0.96740
23	1.97989	2.22096	2.66335	5.51198	1.56949	1.81638	14.76588	0.98683
24	1.98874	2.23584	2.67961	5.55924	1.54669	1.79000	14.55142	1.00629
25	1.99704	2.24985	2.69498	5.60650	1.52640	1.76651	14.36046	1.02559
26	2.00484	2.26307	2.70954	5.65375	1.50851	1.74580	14.19215	1.04456
27	2.01221	2.27554	2.72333	5.70101	1.49294	1.72779	14.04574	1.06304
28	2.01919	2.28731	2.73642	5.74827	1.47964	1.71239	13.92058	1.08092
29	2.02582	2.29841	2.74887	5.79553	1.46854	1.69955	13.81616	1.09807
30	2.03214	2.30889	2.76071	5.84279	1.45960	1.68920	13.73200	1.11442
31	2.03819	2.31877	2.77200	5.89005	1.45277	1.68129	13.66774	1.12989
32	2.04398	2.32809	2.78279	5.93730	1.44802	1.67580	13.62313	1.14444
33	2.04957	2.33689	2.79313	5.98456	1.44535	1.67271	13.59795	1.15802
34	2.05496	2.34521	2.80305	6.03182	1.44473	1.67199	13.59210	1.17064
35	2.06019	2.35307	2.81264	6.07908	1.44616	1.67364	13.60557	1.18230
36	2.06527	2.36051	2.82192	6.12634	1.44965	1.67768	13.63839	1.19303
37	2.07024	2.36758	2.83097	6.17359	1.45521	1.68412	13.69073	1.20289
38	2.07511	2.37431	2.83983	6.22085	1.46287	1.69298	13.76279	1.21194
39	2.07991	2.38076	2.84858	6.26811	1.47266	1.70431	13.85489	1.22027
40	2.08467	2.38696	2.85728	6.31537	1.48462	1.71816	13.96744	1.22800
41	2.08941	2.39298	2.86600	6.36262	1.49881	1.73458	14.10089	1.23525
42	2.09415	2.39886	2.87481	6.40988	1.51528	1.75364	14.25586	1.24217
43	2.09892	2.40466	2.88379	6.45714	1.53411	1.77543	14.43303	1.24893
44	2.10375	2.41045	2.89303	6.50440	1.55538	1.80005	14.63313	1.25573
45	2.10867	2.41629	2.90261	6.55165	1.57919	1.82760	14.85711	1.26278
46	2.11369	2.42224	2.91262	6.59892	1.60564	1.85821	15.10595	1.27029
47	2.11887	2.42839	2.92315	6.64617	1.63485	1.89202	15.38078	1.27852
48	2.12421	2.43480	2.93431	6.69343	1.66696	1.92918	15.68286	1.28775
49	2.20609	2.53289	3.05897	6.74069	1.70211	1.96986	16.01361	1.32968
50	2.28796	2.63098	3.18362	6.78795	1.74048	2.01426	16.37456	1.37161
51	2.36984	2.72907	3.30827	6.83520	1.78224	2.06259	16.76741	1.41354
52	2.45172	2.82716	3.43292	6.88246	1.82759	2.11508	17.19414	1.45548
53	2.53359	2.92526	3.55758	6.92972	1.87677	2.17199	17.65674	1.49741
54	2.61547	3.02335	3.68223	6.97697	1.93000	2.23360	18.15755	1.53934
55	2.69734	3.12144	3.80688	7.02424	1.98757	2.30022	18.69914	1.58127
56	2.77922	3.21953	3.93154	7.07149	2.04976	2.37219	19.28421	1.62320
57	2.86110	3.31762	4.05619	7.11875	2.11689	2.44989	19.91586	1.66514
58	2.94297	3.41571	4.18084	7.16601	2.18934	2.53373	20.59743	1.70707
59	3.02485	3.51380	4.30549	7.21327	2.26748	2.62417	21.33258	1.74900
60	3.10673	3.61189	4.43015	7.26052	2.35175	2.72169	22.12541	1.79093
61	3.18860	3.70998	4.55480	7.30778	2.44262	2.82685	22.98027	1.83286
62	3.27048	3.80807	4.67945	7.35504	2.54060	2.94025	23.90208	1.87480
63	3.35236	3.90617	4.80411	7.40230	2.64627	3.06254	24.89624	1.91673
64	3.43423	4.00426	4.92876	7.44956	2.76025	3.19445	25.96855	1.95866
65	3.51611	4.10234	5.05341	7.49682	2.88323	3.33677	27.12556	2.00059

El Paso 1996 Winter Time Period 3 VOC Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	15.14036	16.01973	25.12625	28.39008	1.70444	2.41129	5.83764	14.74381
4	11.02913	11.73863	18.22964	21.97234	1.61821	2.28930	5.54229	12.24578
5	8.72490	9.31513	14.29304	18.35249	1.53769	2.17538	5.26651	10.39561
6	7.25646	7.76012	11.75311	15.92121	1.46246	2.06896	5.00885	8.99912
7	6.24135	6.68132	9.98794	14.11116	1.39214	1.96947	4.76800	7.92682
8	5.60716	5.96758	8.82633	12.90375	1.32636	1.87642	4.54272	7.09051
9	5.11144	5.41533	7.93233	11.87001	1.26481	1.78933	4.33190	6.42886
10	4.70199	4.96935	7.21597	10.95145	1.20717	1.70780	4.13450	5.89843
11	4.35540	4.60098	6.63011	10.12953	1.15318	1.63141	3.94957	5.46790
12	4.05597	4.29085	6.14235	9.39004	1.10256	1.55981	3.77623	5.11431
13	3.79279	4.02539	5.72981	8.72177	1.05511	1.49266	3.61368	4.82057
14	3.55805	3.79482	5.37587	8.11555	1.01058	1.42967	3.46117	4.57377
15	3.34599	3.59195	5.06824	7.56379	0.96878	1.37054	3.31802	4.36405
16	3.15231	3.41133	4.79765	7.06010	0.92953	1.31501	3.18358	4.18380
17	2.97371	3.24883	4.55700	6.59903	0.89265	1.26284	3.05728	4.02705
18	2.80762	3.10124	4.34080	6.17588	0.85799	1.21381	2.93858	3.88913
19	2.65203	2.96604	4.14477	5.78657	0.82541	1.16771	2.82697	3.76634
20	2.51840	2.85363	3.97818	5.44417	0.79476	1.12435	2.72200	3.65574
21	2.42097	2.74864	3.82238	5.15386	0.76592	1.08355	2.62323	3.55502
22	2.33165	2.65240	3.67962	4.88801	0.73878	1.04516	2.53027	3.46233
23	2.24935	2.56375	3.54804	4.64423	0.71323	1.00901	2.44276	3.37624
24	2.17319	2.48171	3.42615	4.42038	0.68916	0.97497	2.36034	3.29562
25	2.10245	2.40552	3.31277	4.21456	0.66650	0.94290	2.28272	3.21963
26	2.03649	2.33453	3.20692	4.02510	0.64515	0.91270	2.20959	3.14762
27	1.97480	2.26822	3.10784	3.85049	0.62503	0.88423	2.14069	3.07913
28	1.91693	2.20615	3.01488	3.68940	0.60607	0.85741	2.07576	3.01385
29	1.86251	2.14797	2.92754	3.54061	0.58821	0.83214	2.01457	2.95157
30	1.81120	2.09335	2.84541	3.40308	0.57137	0.80832	1.95691	2.89216
31	1.76274	2.04205	2.76811	3.27581	0.55551	0.78588	1.90257	2.83560
32	1.71686	1.99383	2.69538	3.15796	0.54056	0.76473	1.85137	2.78185
33	1.67336	1.94850	2.62696	3.04875	0.52647	0.74480	1.80314	2.73099
34	1.63205	1.90587	2.56262	2.94747	0.51321	0.72604	1.75770	2.68304
35	1.59275	1.86579	2.50217	2.85349	0.50072	0.70837	1.71492	2.63808
36	1.55531	1.82811	2.44542	2.76625	0.48896	0.69173	1.67465	2.59617
37	1.51960	1.79269	2.39220	2.68523	0.47790	0.67609	1.63678	2.55735
38	1.48549	1.75940	2.34235	2.60998	0.46750	0.66138	1.60116	2.52167
39	1.45287	1.72812	2.29569	2.54005	0.45773	0.64755	1.56770	2.48916
40	1.42164	1.69872	2.25208	2.47510	0.44856	0.63458	1.53629	2.45977
41	1.39170	1.67109	2.21133	2.41476	0.43996	0.62241	1.50683	2.43352
42	1.36297	1.64512	2.17328	2.35874	0.43190	0.61102	1.47924	2.41029
43	1.33535	1.62068	2.13774	2.30675	0.42437	0.60036	1.45343	2.38992
44	1.30878	1.59765	2.10453	2.25854	0.41733	0.59040	1.42933	2.37231
45	1.28316	1.57591	2.07343	2.21388	0.41077	0.58112	1.40687	2.35720
46	1.25844	1.55532	2.04423	2.17259	0.40467	0.57249	1.38598	2.34431
47	1.23453	1.53574	2.01668	2.13445	0.39901	0.56449	1.36660	2.33326
48	1.21186	1.51693	1.99024	2.09921	0.39378	0.55709	1.34868	2.32360
49	1.20857	1.51329	1.98335	2.06601	0.38896	0.55027	1.33217	2.32360
50	1.20547	1.50986	1.97688	2.03598	0.38454	0.54401	1.31701	2.32360
51	1.20255	1.50663	1.97077	2.00898	0.38050	0.53829	1.30318	2.32360
52	1.19980	1.50359	1.96501	1.98486	0.37683	0.53311	1.29062	2.32360
53	1.19719	1.50071	1.95957	1.96352	0.37353	0.52844	1.27932	2.32360
54	1.19473	1.49798	1.95443	1.94485	0.37058	0.52427	1.26923	2.32360
55	1.19240	1.49541	1.94956	1.92876	0.36798	0.52059	1.26032	2.32360
56	1.23978	1.56634	2.05511	1.91518	0.36572	0.51739	1.25258	2.44671
57	1.28727	1.63740	2.16089	1.90405	0.36380	0.51467	1.24599	2.56982
58	1.33486	1.70857	2.26689	1.89532	0.36220	0.51241	1.24052	2.69294
59	1.38256	1.77986	2.37310	1.88896	0.36093	0.51061	1.23616	2.81605
60	1.43034	1.85124	2.47951	1.88496	0.35998	0.50926	1.23290	2.93916
61	1.47822	1.92273	2.58609	1.88328	0.35934	0.50837	1.23073	3.06228
62	1.52617	1.99430	2.69285	1.88395	0.35903	0.50792	1.22965	3.18539
63	1.57420	2.06596	2.79977	1.88697	0.35903	0.50792	1.22965	3.30851
64	1.62230	2.13769	2.90683	1.89237	0.35934	0.50837	1.23073	3.43162
65	1.67046	2.20950	3.01403	1.90019	0.35998	0.50926	1.23290	3.55473

El Paso 1996 Winter Time Period 3 CO Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	135.14192	162.16769	215.65547	250.72658	5.48085	6.30413	39.67099	175.30856
4	103.84325	124.78407	166.28777	229.07819	5.05123	5.80997	36.56131	139.81239
5	84.90297	101.84106	134.95633	209.75977	4.66376	5.36430	33.75677	114.19263
6	72.21605	86.36459	113.40347	192.49374	4.31385	4.96183	31.22408	95.28728
7	63.13530	75.26083	97.77946	177.03778	3.99747	4.59793	28.93410	81.05209
8	56.32288	66.93596	86.01524	163.18152	3.71104	4.26847	26.86086	70.13301
9	51.02888	60.48274	76.89268	150.74103	3.45141	3.96984	24.98161	61.61354
10	46.80029	55.34630	69.64722	139.55559	3.21579	3.69882	23.27617	54.85979
11	43.34702	51.16824	63.77573	129.48483	3.00171	3.45259	21.72668	49.42548
12	40.47495	47.70711	58.93452	120.40533	2.80699	3.22862	20.31728	44.99039
13	38.04927	44.79428	54.88150	112.20912	2.62968	3.02468	19.03391	41.32106
14	35.97354	42.30870	51.44202	104.80090	2.46806	2.83878	17.86409	38.24495
15	34.17682	40.16121	48.48697	98.09770	2.32059	2.66916	16.79669	35.63248
16	32.60594	38.28493	45.91968	92.02521	2.18591	2.51425	15.82187	33.38550
17	31.22035	36.62868	43.66626	86.51898	2.06279	2.37265	14.93075	31.42871
18	29.98839	35.15292	41.66943	81.52122	1.95016	2.24309	14.11550	29.70407
19	28.88524	33.82668	39.88472	76.98132	1.84703	2.12447	13.36905	28.16638
20	27.74248	32.67291	38.35492	72.85446	1.75255	2.01580	12.68517	26.78058
21	26.55980	31.38164	36.75343	69.10059	1.66593	1.91616	12.05817	25.51903
22	25.48280	30.19856	35.29143	65.68451	1.58647	1.82477	11.48306	24.36047
23	24.49759	29.10889	33.94940	62.57481	1.51355	1.74090	10.95530	23.28818
24	23.59258	28.10092	32.71147	59.74362	1.44662	1.66391	10.47083	22.28929
25	22.75818	27.16501	31.56483	57.16620	1.38517	1.59323	10.02601	21.35413
26	21.98631	26.29352	30.49898	54.82043	1.32874	1.52833	9.61758	20.47507
27	21.27026	25.48004	29.50551	52.68677	1.27693	1.46874	9.24259	19.64661
28	20.60414	24.71942	28.57730	50.74750	1.22938	1.41404	8.89841	18.86455
29	19.98312	24.00729	27.70871	48.98735	1.18575	1.36387	8.58265	18.12598
30	19.40288	23.33995	26.89485	47.39244	1.14576	1.31786	8.29317	17.42882
31	18.85976	22.71442	26.13167	45.95032	1.10913	1.27574	8.02806	16.77132
32	18.35051	22.12790	25.41574	44.65033	1.07563	1.23720	7.78557	16.15231
33	17.87233	21.57793	24.74402	43.48264	1.04505	1.20202	7.56417	15.57129
34	17.42270	21.06250	24.11398	42.43874	1.01718	1.16996	7.36244	15.02707
35	16.99944	20.57954	23.52309	41.51114	0.99186	1.14084	7.17915	14.51943
36	16.60049	20.12724	22.96936	40.69321	0.96893	1.11447	7.01319	14.04718
37	16.22412	19.70392	22.45073	39.97928	0.94825	1.09068	6.86353	13.61015
38	15.86868	19.30800	21.96536	39.36440	0.92971	1.06936	6.72930	13.20697
39	15.53268	18.93787	21.51134	38.84430	0.91318	1.05035	6.60972	12.83673
40	15.21479	18.59207	21.08711	38.41548	0.89859	1.03357	6.50410	12.49829
41	14.91376	18.26915	20.69084	38.07510	0.88584	1.01890	6.41181	12.19026
42	14.62841	17.96758	20.32074	37.82085	0.87486	1.00628	6.33235	11.91071
43	14.35769	17.68591	19.97511	37.65106	0.86560	0.99562	6.26527	11.65792
44	14.10054	17.42253	19.65211	37.56451	0.85799	0.98686	6.21019	11.42935
45	13.85597	17.17578	19.34987	37.56084	0.85199	0.97997	6.16681	11.22264
46	13.62300	16.94379	19.06622	37.63974	0.84758	0.97490	6.13489	11.03478
47	13.40067	16.72449	18.79892	37.80197	0.84473	0.97162	6.11424	10.86210
48	13.18801	16.51559	18.54559	38.04846	0.84342	0.97011	6.10477	10.70095
49	13.18801	16.51559	18.54559	38.38097	0.84365	0.97037	6.10643	10.70095
50	13.18801	16.51559	18.54559	38.80161	0.84542	0.97240	6.11920	10.70095
51	13.18801	16.51559	18.54559	39.31322	0.84873	0.97621	6.14317	10.70095
52	13.18801	16.51559	18.54559	39.91937	0.85360	0.98182	6.17847	10.70095
53	13.18801	16.51559	18.54559	40.62405	0.86007	0.98926	6.22530	10.70095
54	13.18801	16.51559	18.54559	41.43233	0.86817	0.99858	6.28391	10.70095
55	13.18801	16.51559	18.54559	42.34970	0.87794	1.00981	6.35462	10.70095
56	15.04975	19.27774	21.96800	43.38272	0.88944	1.02304	6.43783	13.27804
57	16.91144	22.03992	25.39040	44.53880	0.90272	1.03832	6.53401	15.85515
58	18.77318	24.80206	28.81284	45.82643	0.91788	1.05576	6.64372	18.43224
59	20.63490	27.56424	32.23524	47.25511	0.93499	1.07544	6.76757	21.00931
60	22.49667	30.32639	35.65765	48.83568	0.95416	1.09748	6.90628	23.58643
61	24.35838	33.08859	39.08011	50.58023	0.97549	1.12201	7.06068	26.16351
62	26.22014	35.85074	42.50252	52.50252	0.99911	1.14919	7.23168	28.74057
63	28.08186	38.61295	45.92496	54.61789	1.02517	1.17916	7.42031	31.31769
64	29.94362	41.37508	49.34734	56.94363	1.05383	1.21212	7.62774	33.89478
65	31.80537	44.13728	52.76978	59.49896	1.08526	1.24827	7.85525	36.47183

El Paso 1996 Winter Time Period 3 NOx Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	2.71210	2.93898	3.26854	4.59673	2.83361	3.27935	26.65874	1.00867
4	2.49680	2.70703	3.05591	4.64430	2.71426	3.14123	25.53592	0.96478
5	2.36574	2.56645	2.92883	4.69186	2.60364	3.01320	24.49518	0.92836
6	2.27709	2.47219	2.84504	4.73943	2.50108	2.89450	23.53023	0.89883
7	2.21292	2.40489	2.78639	4.78700	2.40596	2.78443	22.63542	0.87564
8	2.16422	2.35481	2.74373	4.83457	2.31776	2.68235	21.80560	0.85827
9	2.12597	2.31649	2.71194	4.88213	2.23596	2.58769	21.03604	0.84620
10	2.09517	2.28662	2.68790	4.92970	2.16011	2.49991	20.32246	0.83893
11	2.06986	2.26305	2.66962	4.97727	2.08981	2.41854	19.66100	0.83600
12	2.04875	2.24432	2.65572	5.02484	2.02466	2.34315	19.04811	0.83695
13	2.03093	2.22940	2.64524	5.07240	1.96433	2.27332	18.48051	0.84135
14	2.01575	2.21754	2.63747	5.11997	1.90851	2.20872	17.95535	0.84880
15	2.00271	2.20816	2.63187	5.16754	1.85690	2.14900	17.46988	0.85889
16	1.99144	2.20079	2.62802	5.21510	1.80926	2.09387	17.02168	0.87125
17	1.98164	2.19510	2.62560	5.26267	1.76535	2.04305	16.60855	0.88554
18	1.97310	2.19079	2.62434	5.31024	1.72495	1.99629	16.22849	0.90143
19	1.96563	2.18763	2.62403	5.35781	1.68787	1.95338	15.87965	0.91859
20	1.96688	2.18962	2.62858	5.40537	1.65394	1.91411	15.56038	0.93675
21	1.97803	2.20772	2.64820	5.45294	1.62299	1.87829	15.26922	0.95563
22	1.98833	2.22469	2.66662	5.50050	1.59488	1.84576	15.00478	0.97498
23	1.99790	2.24063	2.68397	5.54807	1.56949	1.81638	14.76588	0.99456
24	2.00683	2.25562	2.70034	5.59564	1.54669	1.79000	14.55142	1.01417
25	2.01519	2.26975	2.71581	5.64321	1.52640	1.76651	14.36046	1.03362
26	2.02306	2.28307	2.73046	5.69077	1.50851	1.74580	14.19215	1.05274
27	2.03049	2.29563	2.74435	5.73834	1.49294	1.72779	14.04574	1.07137
28	2.03753	2.30749	2.75753	5.78591	1.47964	1.71239	13.92058	1.08938
29	2.04422	2.31868	2.77005	5.83348	1.46854	1.69955	13.81616	1.10667
30	2.05059	2.32923	2.78197	5.88105	1.45960	1.68920	13.73200	1.12315
31	2.05669	2.33919	2.79334	5.92861	1.45277	1.68129	13.66774	1.13874
32	2.06254	2.34859	2.80419	5.97617	1.44802	1.67580	13.62313	1.15340
33	2.06817	2.35746	2.81460	6.02375	1.44535	1.67271	13.59795	1.16709
34	2.07361	2.36583	2.82459	6.07131	1.44473	1.67199	13.59210	1.17980
35	2.07888	2.37376	2.83424	6.11888	1.44616	1.67364	13.60557	1.19156
36	2.08401	2.38126	2.84359	6.16645	1.44965	1.67768	13.63839	1.20237
37	2.08902	2.38838	2.85269	6.21401	1.45521	1.68412	13.69073	1.21231
38	2.09394	2.39517	2.86162	6.26158	1.46287	1.69298	13.76279	1.22143
39	2.09878	2.40167	2.87043	6.30915	1.47266	1.70431	13.85489	1.22983
40	2.10359	2.40792	2.87919	6.35672	1.48462	1.71816	13.96744	1.23761
41	2.10837	2.41399	2.88797	6.40428	1.49881	1.73458	14.10089	1.24492
42	2.11315	2.41991	2.89684	6.45185	1.51528	1.75364	14.25586	1.25190
43	2.11797	2.42576	2.90588	6.49942	1.53411	1.77543	14.43303	1.25872
44	2.12284	2.43160	2.91518	6.54699	1.55538	1.80005	14.63313	1.26557
45	2.12780	2.43748	2.92482	6.59455	1.57919	1.82760	14.85711	1.27267
46	2.13287	2.44348	2.93489	6.64212	1.60564	1.85821	15.10595	1.28024
47	2.13809	2.44967	2.94549	6.68969	1.63485	1.89202	15.38078	1.28853
48	2.14349	2.45613	2.95671	6.73726	1.66696	1.92918	15.68286	1.29783
49	2.22613	2.55511	3.08232	6.78482	1.70211	1.96986	16.01361	1.34009
50	2.30878	2.65408	3.20793	6.83239	1.74048	2.01426	16.37456	1.38235
51	2.39143	2.75305	3.33354	6.87996	1.78224	2.06259	16.76741	1.42461
52	2.47408	2.85203	3.45915	6.92753	1.82759	2.11508	17.19414	1.46687
53	2.55672	2.95100	3.58476	6.97509	1.87677	2.17199	17.65674	1.50914
54	2.63937	3.04998	3.71037	7.02266	1.93000	2.23360	18.15755	1.55140
55	2.72202	3.14895	3.83598	7.07023	1.98757	2.30022	18.69914	1.59366
56	2.80467	3.24793	3.96159	7.11779	2.04976	2.37219	19.28421	1.63591
57	2.88731	3.34690	4.08720	7.16536	2.11689	2.44989	19.91586	1.67818
58	2.96996	3.44587	4.21281	7.21293	2.18934	2.53373	20.59743	1.72044
59	3.05261	3.54485	4.33842	7.26050	2.26748	2.62417	21.33258	1.76270
60	3.13526	3.64382	4.46403	7.30806	2.35175	2.72169	22.12541	1.80496
61	3.21790	3.74280	4.58964	7.35563	2.44262	2.82685	22.98027	1.84722
62	3.30055	3.84177	4.71525	7.40320	2.54060	2.94025	23.90208	1.88948
63	3.38320	3.94075	4.84086	7.45077	2.64627	3.06254	24.89624	1.93174
64	3.46584	4.03972	4.96647	7.49833	2.76025	3.19445	25.96855	1.97400
65	3.54849	4.13869	5.09208	7.54590	2.88323	3.33677	27.12556	2.01626

El Paso 1996 Winter Time Period 4 VOC Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	12.31376	15.27783	22.61276	17.76421	1.70444	2.41129	5.83764	16.80516
4	9.47843	11.85764	17.63574	16.21814	1.61821	2.28930	5.54229	13.83750
5	7.75926	9.74066	14.43255	14.83136	1.53769	2.17538	5.26651	11.63949
6	6.60566	8.30254	12.20729	13.58583	1.46246	2.06896	5.00885	9.98046
7	5.77873	7.26496	10.58304	12.46572	1.39214	1.96947	4.76800	8.70656
8	5.15761	6.48363	9.35427	11.45708	1.32636	1.87642	4.54272	7.71302
9	4.67448	5.87590	8.39842	10.54766	1.26481	1.78933	4.33190	6.92698
10	4.28828	5.39087	7.63773	9.72669	1.20717	1.70780	4.13450	6.29683
11	3.97270	4.99550	7.02055	8.98463	1.15318	1.63141	3.94957	5.78536
12	3.71011	4.66740	6.51131	8.31307	1.10256	1.55981	3.77623	5.36529
13	3.48825	4.39089	6.08479	7.70458	1.05511	1.49266	3.61368	5.01633
14	3.29833	4.15465	5.72268	7.15259	1.01058	1.42967	3.46117	4.72313
15	3.13389	3.95034	5.41140	6.65126	0.96878	1.37054	3.31802	4.47398
16	2.99008	3.77167	5.14072	6.19542	0.92953	1.31501	3.18358	4.25984
17	2.86320	3.61387	4.90280	5.78050	0.89265	1.26284	3.05728	4.07363
18	2.75035	3.47319	4.69159	5.40239	0.85799	1.21381	2.93858	3.90978
19	2.64929	3.34674	4.50234	5.05747	0.82541	1.16771	2.82697	3.76390
20	2.54492	3.23531	4.33622	4.74250	0.79476	1.12435	2.72200	3.63251
21	2.44058	3.11342	4.16470	4.45458	0.76592	1.08355	2.62323	3.51285
22	2.34554	3.00175	4.00752	4.19114	0.73878	1.04516	2.53027	3.40274
23	2.25857	2.89891	3.86265	3.94989	0.71323	1.00901	2.44276	3.30046
24	2.17866	2.80378	3.72841	3.72875	0.68916	0.97497	2.36034	3.20468
25	2.10496	2.71546	3.60351	3.52587	0.66650	0.94290	2.28272	3.11441
26	2.03676	2.63322	3.48687	3.33960	0.64515	0.91270	2.20959	3.02886
27	1.97346	2.55643	3.37766	3.16846	0.62503	0.88423	2.14069	2.94750
28	1.91456	2.48461	3.27519	3.01111	0.60607	0.85741	2.07576	2.86994
29	1.85963	2.41734	3.17891	2.86635	0.58821	0.83214	2.01457	2.79595
30	1.80828	2.35426	3.08838	2.73309	0.57137	0.80832	1.95691	2.72537
31	1.76019	2.29507	3.00321	2.61037	0.55551	0.78588	1.90257	2.65817
32	1.71509	2.23952	2.92311	2.49732	0.54056	0.76473	1.85137	2.59432
33	1.67273	2.18737	2.84781	2.39314	0.52647	0.74480	1.80314	2.53390
34	1.63288	2.13842	2.77707	2.29712	0.51321	0.72604	1.75770	2.47693
35	1.59536	2.09250	2.71069	2.20860	0.50072	0.70837	1.71492	2.42352
36	1.55998	2.04942	2.64848	2.12703	0.48896	0.69173	1.67465	2.37373
37	1.52660	2.00903	2.59025	2.05186	0.47790	0.67609	1.63678	2.32762
38	1.49507	1.97117	2.53582	1.98263	0.46750	0.66138	1.60116	2.28523
39	1.46526	1.93571	2.48501	1.91890	0.45773	0.64755	1.56770	2.24660
40	1.43705	1.90249	2.43765	1.86030	0.44856	0.63458	1.53629	2.21169
41	1.41034	1.87139	2.39355	1.80646	0.43996	0.62241	1.50683	2.18051
42	1.38501	1.84226	2.35252	1.75708	0.43190	0.61102	1.47924	2.15291
43	1.36098	1.81495	2.31434	1.71186	0.42437	0.60036	1.45343	2.12871
44	1.33815	1.78934	2.27882	1.67055	0.41733	0.59040	1.42933	2.10778
45	1.31643	1.76525	2.24569	1.63292	0.41077	0.58112	1.40687	2.08983
46	1.29574	1.74253	2.21471	1.59876	0.40467	0.57249	1.38598	2.07452
47	1.27599	1.72100	2.18560	1.56789	0.39901	0.56449	1.36660	2.06139
48	1.25709	1.70046	2.15803	1.54013	0.39378	0.55709	1.34868	2.04991
49	1.25709	1.70046	2.15803	1.51535	0.38896	0.55027	1.33217	2.04991
50	1.25709	1.70046	2.15803	1.49341	0.38454	0.54401	1.31701	2.04991
51	1.25709	1.70046	2.15803	1.47420	0.38050	0.53829	1.30318	2.04991
52	1.25709	1.70046	2.15803	1.45761	0.37683	0.53311	1.29062	2.04991
53	1.25709	1.70046	2.15803	1.44356	0.37353	0.52844	1.27932	2.04991
54	1.25709	1.70046	2.15803	1.43199	0.37058	0.52427	1.26923	2.04991
55	1.25709	1.70046	2.15803	1.42283	0.36798	0.52059	1.26032	2.04991
56	1.32080	1.79594	2.29743	1.41604	0.36572	0.51739	1.25258	2.19617
57	1.38451	1.89143	2.43684	1.41158	0.36380	0.51467	1.24599	2.34243
58	1.44822	1.98690	2.57624	1.40944	0.36220	0.51241	1.24052	2.48869
59	1.51193	2.08239	2.71565	1.40959	0.36093	0.51061	1.23616	2.63495
60	1.57564	2.17787	2.85506	1.41204	0.35998	0.50926	1.23290	2.78121
61	1.63935	2.27335	2.99446	1.41681	0.35934	0.50837	1.23073	2.92747
62	1.70306	2.36883	3.13387	1.42391	0.35903	0.50792	1.22965	3.07373
63	1.76677	2.46431	3.27327	1.43338	0.35903	0.50792	1.22965	3.21999
64	1.83048	2.55979	3.41268	1.44528	0.35934	0.50837	1.23073	3.36625
65	1.89419	2.65527	3.55208	1.45966	0.35998	0.50926	1.23290	3.51251

El Paso 1996 Winter Time Period 4 CO Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	153.69438	186.30112	253.40724	264.42041	5.48085	6.30413	39.67099	217.20872
4	118.09962	143.42047	195.46768	241.58984	5.05123	5.80997	36.56131	173.22871
5	96.55659	117.07054	158.60493	221.21626	4.66376	5.36430	33.75677	141.48558
6	82.12576	99.28612	133.21388	203.00723	4.31385	4.96183	31.22408	118.06169
7	71.79689	86.52538	114.79637	186.70717	3.99747	4.59793	28.93410	100.42416
8	64.04852	76.96008	100.92680	172.09407	3.71104	4.26847	26.86086	86.89542
9	58.02763	69.54796	90.17299	158.97408	3.45141	3.96984	24.98161	76.33968
10	53.21880	63.65092	81.63457	147.17772	3.21579	3.69882	23.27617	67.97173
11	49.29193	58.85645	74.71806	136.55699	3.00171	3.45259	21.72668	61.23860
12	46.02625	54.88647	69.01772	126.98155	2.80699	3.22862	20.31728	55.74347
13	43.26830	51.54675	64.24768	118.33771	2.62968	3.02468	19.03391	51.19719
14	40.90826	48.69762	60.20140	110.52492	2.46806	2.83878	17.86409	47.38582
15	38.86548	46.23640	56.72629	103.45552	2.32059	2.66916	16.79669	44.14894
16	37.07948	44.08594	53.70821	97.05138	2.18591	2.51425	15.82187	41.36485
17	35.50397	42.18723	51.05960	91.24442	2.06279	2.37265	14.93075	38.94040
18	34.10309	40.49471	48.71298	85.97374	1.95016	2.24309	14.11550	36.80357
19	32.84843	38.97275	46.61568	81.18588	1.84703	2.12447	13.36905	34.89839
20	31.54289	37.63773	44.80782	76.83357	1.75255	2.01580	12.68517	33.18130
21	30.18475	36.14262	42.92018	72.87469	1.66593	1.91616	12.05817	31.61827
22	28.94780	34.77151	41.19670	69.27197	1.58647	1.82477	11.48306	30.18283
23	27.81604	33.50763	39.61423	65.99248	1.51355	1.74090	10.95530	28.85420
24	26.77626	32.33739	38.15407	63.00670	1.44662	1.66391	10.47083	27.61659
25	25.81747	31.24992	36.80128	60.28847	1.38517	1.59323	10.02601	26.45790
26	24.93042	30.23639	35.54346	57.81458	1.32874	1.52833	9.61758	25.36874
27	24.10738	29.28963	34.37070	55.56433	1.27693	1.46874	9.24259	24.34230
28	23.34169	28.40384	33.27475	53.51915	1.22938	1.41404	8.89841	23.37332
29	22.62773	27.57411	32.24890	51.66295	1.18575	1.36387	8.58265	22.45824
30	21.96066	26.79642	31.28766	49.98088	1.14576	1.31786	8.29317	21.59442
31	21.33621	26.06723	30.38612	48.46005	1.10913	1.27574	8.02806	20.77979
32	20.75075	25.38351	29.54034	47.08900	1.07563	1.23720	7.78557	20.01283
33	20.20097	24.74265	28.74695	45.85751	1.04505	1.20202	7.56417	19.29294
34	19.68413	24.14214	28.00276	44.75662	1.01718	1.16996	7.36244	18.61864
35	19.19760	23.57986	27.30505	43.77835	0.99186	1.14084	7.17915	17.98967
36	18.73909	23.05367	26.65137	42.91576	0.96893	1.11447	7.01319	17.40454
37	18.30661	22.56168	26.03944	42.16284	0.94825	1.09068	6.86353	16.86308
38	17.89822	22.10205	25.46701	41.51436	0.92971	1.06936	6.72930	16.36353
39	17.51230	21.67294	24.93187	40.96585	0.91318	1.05035	6.60972	15.90482
40	17.14726	21.27267	24.43219	40.51364	0.89859	1.03357	6.50410	15.48548
41	16.80167	20.89952	23.96582	40.15469	0.88584	1.01890	6.41181	15.10383
42	16.47418	20.55173	23.53061	39.88651	0.87486	1.00628	6.33235	14.75746
43	16.16354	20.22746	23.12459	39.70749	0.86560	0.99562	6.26527	14.44426
44	15.86860	19.92491	22.74548	39.61624	0.85799	0.98686	6.21019	14.16106
45	15.58813	19.64204	22.39108	39.61230	0.85199	0.97997	6.16681	13.90494
46	15.32103	19.37645	22.05878	39.69557	0.84758	0.97490	6.13489	13.67218
47	15.06614	19.12573	21.74586	39.86659	0.84473	0.97162	6.11424	13.45822
48	14.82235	18.88698	21.44954	40.12657	0.84342	0.97011	6.10477	13.25856
49	14.82235	18.88698	21.44954	40.47722	0.84365	0.97037	6.10643	13.25856
50	14.82235	18.88698	21.44954	40.92081	0.84542	0.97240	6.11920	13.25856
51	14.82235	18.88698	21.44954	41.46042	0.84873	0.97621	6.14317	13.25856
52	14.82235	18.88698	21.44954	42.09966	0.85360	0.98182	6.17847	13.25856
53	14.82235	18.88698	21.44954	42.84283	0.86007	0.98926	6.22530	13.25856
54	14.82235	18.88698	21.44954	43.69522	0.86817	0.99858	6.28391	13.25856
55	14.82235	18.88698	21.44954	44.66270	0.87794	1.00981	6.35462	13.25856
56	16.93135	22.06445	25.44569	45.75217	0.88944	1.02304	6.43783	16.45160
57	19.04037	25.24197	29.44191	46.97141	0.90272	1.03832	6.53401	19.64464
58	21.14940	28.41949	33.43810	48.32935	0.91788	1.05576	6.64372	22.83766
59	23.25838	31.59700	37.43431	49.83611	0.93499	1.07544	6.76757	26.03072
60	25.36743	34.77451	41.43051	51.50299	0.95416	1.09748	6.90628	29.22372
61	27.47646	37.95204	45.42668	53.34280	0.97549	1.12201	7.06068	32.41679
62	29.58549	41.12952	49.42290	55.37010	0.99911	1.14919	7.23168	35.60980
63	31.69452	44.30705	53.41913	57.60098	1.02517	1.17916	7.42031	38.80286
64	33.80356	47.48457	57.41530	60.05379	1.05383	1.21212	7.62774	41.99593
65	35.91260	50.66206	61.41153	62.74866	1.08526	1.24827	7.85525	45.18893

El Paso 1996 Winter Time Period 4 NOx Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HdGV	LDDV	LDDT	HDDV	MC
3	3.07436	3.32176	3.65744	4.90858	2.83361	3.27935	26.65874	1.11501
4	2.82999	3.05819	3.41533	4.95937	2.71426	3.14123	25.53592	1.06649
5	2.68122	2.89846	3.27036	5.01017	2.60364	3.01320	24.49518	1.02623
6	2.58057	2.79134	3.17450	5.06096	2.50108	2.89450	23.53023	0.99359
7	2.50769	2.71479	3.10713	5.11175	2.40596	2.78443	22.63542	0.96796
8	2.45235	2.65773	3.05787	5.16255	2.31776	2.68235	21.80560	0.94875
9	2.40887	2.61396	3.02090	5.21334	2.23596	2.58769	21.03604	0.93541
10	2.37381	2.57973	2.99270	5.26414	2.16011	2.49991	20.32246	0.92738
11	2.34499	2.55259	2.97100	5.31493	2.08981	2.41854	19.66100	0.92414
12	2.32091	2.53091	2.95425	5.36572	2.02466	2.34315	19.04811	0.92519
13	2.30057	2.51351	2.94136	5.41652	1.96433	2.27332	18.48051	0.93005
14	2.28320	2.49954	2.93153	5.46732	1.90851	2.20872	17.95535	0.93828
15	2.26825	2.48834	2.92416	5.51811	1.85690	2.14900	17.46988	0.94944
16	2.25531	2.47942	2.91877	5.56890	1.80926	2.09387	17.02168	0.96311
17	2.24404	2.47237	2.91502	5.61970	1.76535	2.04305	16.60855	0.97890
18	2.23420	2.46689	2.91259	5.67049	1.72495	1.99629	16.22849	0.99646
19	2.22556	2.46269	2.91125	5.72128	1.68787	1.95338	15.87965	1.01544
20	2.22684	2.46443	2.91553	5.77208	1.65394	1.91411	15.56038	1.03551
21	2.23944	2.48458	2.93702	5.82287	1.62299	1.87829	15.26922	1.05638
22	2.25107	2.50342	2.95717	5.87366	1.59488	1.84576	15.00478	1.07776
23	2.26186	2.52109	2.97611	5.92446	1.56949	1.81638	14.76588	1.09941
24	2.27191	2.53769	2.99396	5.97525	1.54669	1.79000	14.55142	1.12109
25	2.28133	2.55332	3.01082	6.02605	1.52640	1.76651	14.36046	1.14259
26	2.29019	2.56803	3.02676	6.07684	1.50851	1.74580	14.19215	1.16372
27	2.29855	2.58190	3.04187	6.12764	1.49294	1.72779	14.04574	1.18432
28	2.30647	2.59498	3.05620	6.17843	1.47964	1.71239	13.92058	1.20423
29	2.31399	2.60731	3.06982	6.22923	1.46854	1.69955	13.81616	1.22335
30	2.32117	2.61895	3.08278	6.28002	1.45960	1.68920	13.73200	1.24156
31	2.32803	2.62993	3.09514	6.33082	1.45277	1.68129	13.66774	1.25879
32	2.33461	2.64029	3.10696	6.38161	1.44802	1.67580	13.62313	1.27500
33	2.34095	2.65007	3.11828	6.43241	1.44535	1.67271	13.59795	1.29013
34	2.34708	2.65932	3.12917	6.48320	1.44473	1.67199	13.59210	1.30418
35	2.35302	2.66807	3.13969	6.53400	1.44616	1.67364	13.60557	1.31718
36	2.35880	2.67636	3.14988	6.58479	1.44965	1.67768	13.63839	1.32913
37	2.36446	2.68424	3.15981	6.63558	1.45521	1.68412	13.69073	1.34012
38	2.37001	2.69176	3.16955	6.68638	1.46287	1.69298	13.76279	1.35020
39	2.37549	2.69896	3.17917	6.73717	1.47266	1.70431	13.85489	1.35948
40	2.38091	2.70589	3.18873	6.78796	1.48462	1.71816	13.96744	1.36809
41	2.38632	2.71261	3.19830	6.83876	1.49881	1.73458	14.10089	1.37617
42	2.39172	2.71918	3.20798	6.88956	1.51528	1.75364	14.25586	1.38388
43	2.39717	2.72565	3.21783	6.94035	1.53411	1.77543	14.43303	1.39142
44	2.40268	2.73210	3.22795	6.99115	1.55538	1.80005	14.63313	1.39899
45	2.40828	2.73860	3.23842	7.04194	1.57919	1.82760	14.85711	1.40684
46	2.41401	2.74521	3.24935	7.09273	1.60564	1.85821	15.10595	1.41521
47	2.41990	2.75201	3.26082	7.14353	1.63485	1.89202	15.38078	1.42438
48	2.42598	2.75909	3.27295	7.19432	1.66696	1.92918	15.68286	1.43466
49	2.51982	2.87056	3.41200	7.24512	1.70211	1.96986	16.01361	1.48137
50	2.61367	2.98203	3.55105	7.29591	1.74048	2.01426	16.37456	1.52809
51	2.70752	3.09351	3.69010	7.34670	1.78224	2.06259	16.76741	1.57480
52	2.80137	3.20498	3.82916	7.39750	1.82759	2.11508	17.19414	1.62152
53	2.89522	3.31646	3.96821	7.44829	1.87677	2.17199	17.65674	1.66823
54	2.98906	3.42793	4.10726	7.49908	1.93000	2.23360	18.15755	1.71495
55	3.08291	3.53941	4.24631	7.54988	1.98757	2.30022	18.69914	1.76167
56	3.17676	3.65088	4.38536	7.60067	2.04976	2.37219	19.28421	1.80838
57	3.27061	3.76236	4.52441	7.65147	2.11689	2.44989	19.91586	1.85510
58	3.36445	3.87383	4.66347	7.70226	2.18934	2.53373	20.59743	1.90182
59	3.45830	3.98531	4.80251	7.75306	2.26748	2.62417	21.33258	1.94853
60	3.55215	4.09678	4.94157	7.80385	2.35175	2.72169	22.12541	1.99525
61	3.64600	4.20826	5.08062	7.85465	2.44262	2.82685	22.98027	2.04196
62	3.73984	4.31973	5.21967	7.90544	2.54060	2.94025	23.90208	2.08868
63	3.83369	4.43121	5.35872	7.95624	2.64627	3.06254	24.89624	2.13539
64	3.92754	4.54268	5.49777	8.00703	2.76025	3.19445	25.96855	2.18211
65	4.02139	4.65415	5.63682	8.05783	2.88323	3.33677	27.12556	2.22883

El Paso 1999 Summer Time Period 1 VOC Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HdGV	LDDV	LDDT	HDDV	MC
3	7.20356	8.60571	13.13533	13.69765	1.55287	2.07594	5.15755	14.03449
4	5.35694	6.42944	9.80647	11.40576	1.47430	1.97091	4.89660	11.84599
5	4.30903	5.17608	7.84557	9.96470	1.40094	1.87284	4.65295	10.22509
6	3.63549	4.36250	6.55446	8.90692	1.33240	1.78121	4.42531	9.00164
7	3.16686	3.79303	5.64395	8.06451	1.26833	1.69556	4.21252	8.06221
8	2.86141	3.41340	5.02294	7.43187	1.20841	1.61545	4.01349	7.32952
9	2.62447	3.11747	4.54136	6.87761	1.15233	1.54048	3.82723	6.74986
10	2.43169	2.87639	4.15349	6.38140	1.09982	1.47028	3.65282	6.28516
11	2.27105	2.67530	3.83427	5.93525	1.05062	1.40452	3.48944	5.90798
12	2.13451	2.50419	3.56658	5.53271	1.00452	1.34288	3.33629	5.59820
13	2.01650	2.35608	3.33837	5.16848	0.96128	1.28508	3.19268	5.34086
14	1.91303	2.22594	3.14091	4.83805	0.92071	1.23084	3.05794	5.12464
15	1.82116	2.11008	2.96777	4.53761	0.88263	1.17993	2.93146	4.94091
16	1.73870	2.00573	2.81411	4.26385	0.84686	1.13213	2.81269	4.78300
17	1.66396	1.91074	2.67623	4.01392	0.81327	1.08721	2.70110	4.64567
18	1.59564	1.82349	2.55127	3.78531	0.78169	1.04500	2.59623	4.52484
19	1.53271	1.74267	2.43699	3.57581	0.75200	1.00531	2.49763	4.41727
20	1.46991	1.67388	2.33792	3.38781	0.72408	0.96798	2.40488	4.32037
21	1.41367	1.61398	2.24793	3.22172	0.69781	0.93286	2.31762	4.23213
22	1.36219	1.55902	2.16544	3.06959	0.67308	0.89980	2.23549	4.15093
23	1.31483	1.50835	2.08943	2.93009	0.64980	0.86868	2.15817	4.07550
24	1.27110	1.46144	2.01905	2.80201	0.62788	0.83937	2.08536	4.00488
25	1.23054	1.41783	1.95362	2.68428	0.60723	0.81177	2.01678	3.93830
26	1.19280	1.37718	1.89258	2.57596	0.58777	0.78576	1.95217	3.87521
27	1.15758	1.33918	1.83549	2.47619	0.56944	0.76126	1.89130	3.81521
28	1.12460	1.30359	1.78198	2.38421	0.55217	0.73817	1.83393	3.75802
29	1.09366	1.27018	1.73174	2.29933	0.53590	0.71641	1.77987	3.70346
30	1.06455	1.23879	1.68451	2.22095	0.52056	0.69591	1.72893	3.65141
31	1.03710	1.20926	1.64007	2.14850	0.50610	0.67658	1.68092	3.60185
32	1.01117	1.18146	1.59825	2.08149	0.49248	0.65838	1.63568	3.55477
33	0.98663	1.15525	1.55888	2.01948	0.47965	0.64122	1.59307	3.51021
34	0.96336	1.13055	1.52181	1.96206	0.46757	0.62506	1.55293	3.46819
35	0.94127	1.10724	1.48692	1.90886	0.45619	0.60985	1.51513	3.42881
36	0.92025	1.08525	1.45408	1.85957	0.44547	0.59553	1.47955	3.39209
37	0.90024	1.06449	1.42319	1.81388	0.43540	0.58206	1.44609	3.35809
38	0.88114	1.04488	1.39414	1.77152	0.42592	0.56940	1.41462	3.32683
39	0.86291	1.02636	1.36683	1.73226	0.41702	0.55750	1.38506	3.29834
40	0.84546	1.00885	1.34114	1.69588	0.40867	0.54633	1.35731	3.27260
41	0.82876	0.99228	1.31700	1.66217	0.40083	0.53585	1.33128	3.24960
42	0.81275	0.97660	1.29429	1.63097	0.39349	0.52604	1.30690	3.22925
43	0.79737	0.96173	1.27291	1.60210	0.38663	0.51686	1.28410	3.21140
44	0.78258	0.94762	1.25277	1.57543	0.38022	0.50829	1.26281	3.19597
45	0.76835	0.93419	1.23374	1.55082	0.37424	0.50030	1.24297	3.18273
46	0.75462	0.92137	1.21571	1.52816	0.36868	0.49287	1.22451	3.17144
47	0.74136	0.90910	1.19856	1.50734	0.36353	0.48598	1.20739	3.16176
48	0.72875	0.89736	1.18219	1.48832	0.35876	0.47961	1.19156	3.15330
49	0.72732	0.89582	1.17987	1.47159	0.35437	0.47374	1.17697	3.15330
50	0.72597	0.89436	1.17769	1.45659	0.35034	0.46835	1.16358	3.15330
51	0.72469	0.89298	1.17562	1.44323	0.34666	0.46343	1.15136	3.15330
52	0.72348	0.89168	1.17367	1.43145	0.34332	0.45897	1.14027	3.15330
53	0.72234	0.89045	1.17183	1.42119	0.34031	0.45494	1.13028	3.15330
54	0.72125	0.88928	1.17008	1.41241	0.33763	0.45136	1.12136	3.15330
55	0.72022	0.88817	1.16843	1.40506	0.33526	0.44819	1.11349	3.15330
56	0.74432	0.92336	1.22369	1.39910	0.33320	0.44544	1.10665	3.26115
57	0.76847	0.95861	1.27903	1.39452	0.33144	0.44309	1.10083	3.36901
58	0.79267	0.99390	1.33444	1.39128	0.32999	0.44115	1.09599	3.47687
59	0.81690	1.02924	1.38993	1.38938	0.32883	0.43960	1.09214	3.58473
60	0.84117	1.06462	1.44547	1.38881	0.32796	0.43844	1.08926	3.69259
61	0.86548	1.10004	1.50108	1.38957	0.32739	0.43766	1.08735	3.80044
62	0.88983	1.13549	1.55675	1.39167	0.32710	0.43728	1.08639	3.90830
63	0.91420	1.17099	1.61246	1.39513	0.32710	0.43728	1.08639	4.01616
64	0.93861	1.20651	1.66823	1.39995	0.32739	0.43767	1.08735	4.12402
65	0.96305	1.24207	1.72404	1.40618	0.32796	0.43844	1.08926	4.23188

El Paso 1999 Summer Time Period 1 CO Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	60.61292	77.69426	116.44936	151.90173	5.20904	5.78382	37.16547	153.99066
4	46.84143	59.96344	89.93524	138.78612	4.80072	5.33045	34.25215	122.81093
5	38.54416	49.16151	73.29962	127.08212	4.43246	4.92156	31.62476	100.30652
6	33.00166	41.90805	61.93843	116.62155	4.09991	4.55231	29.25208	83.70009
7	29.04073	36.71718	53.73807	107.25764	3.79922	4.21844	27.10669	71.19595
8	26.07121	32.82996	47.57790	98.86285	3.52699	3.91617	25.16441	61.60466
9	23.76392	29.81741	42.80536	91.32584	3.28024	3.64219	23.40385	54.12119
10	21.92044	27.41862	39.01459	84.54916	3.05630	3.39355	21.80612	48.18875
11	20.41422	25.46597	35.94028	78.44785	2.85284	3.16763	20.35448	43.41525
12	19.16074	23.84668	33.40228	72.94708	2.66778	2.96215	19.03407	39.51945
13	18.10129	22.48236	31.27426	67.98141	2.49926	2.77504	17.83177	36.29637
14	17.19400	21.31668	29.46524	63.49323	2.34565	2.60449	16.73582	33.59430
15	16.40808	20.30826	27.90825	59.43207	2.20550	2.44887	15.73586	31.29948
16	15.72041	19.42601	26.55315	55.75307	2.07750	2.30674	14.82259	29.32573
17	15.11337	18.64616	25.36163	52.41714	1.96049	2.17682	13.98776	27.60689
18	14.57322	17.95042	24.30406	49.38931	1.85344	2.05796	13.22400	26.09200
19	14.08917	17.32436	23.35750	46.63878	1.75543	1.94913	12.52469	24.74129
20	13.52980	16.73270	22.47888	44.13853	1.66563	1.84942	11.88400	23.52399
21	12.89940	16.03815	21.49681	41.86430	1.58330	1.75801	11.29660	22.41586
22	12.32527	15.40183	20.60016	39.79465	1.50779	1.67417	10.75781	21.39819
23	11.80004	14.81593	19.77225	37.91063	1.43849	1.59722	10.26338	20.45628
24	11.31760	14.27418	19.01854	36.19539	1.37488	1.52659	9.80951	19.57887
25	10.87284	13.77145	18.31627	34.63385	1.31647	1.46174	9.39279	18.75742
26	10.46149	13.30359	17.66406	33.21274	1.26284	1.40219	9.01016	17.98524
27	10.07994	12.86715	17.05673	31.92000	1.21360	1.34752	8.65885	17.25755
28	9.72510	12.45932	16.48988	30.74515	1.16841	1.29734	8.33640	16.57059
29	9.39433	12.07771	15.95996	29.67877	1.12695	1.25130	8.04059	15.92184
30	9.08535	11.72030	15.46386	28.71249	1.08894	1.20910	7.76939	15.30945
31	8.79619	11.38538	14.99900	27.83881	1.05413	1.17045	7.52102	14.73190
32	8.52510	11.07142	14.56312	27.05121	1.02229	1.13510	7.29385	14.18816
33	8.27057	10.77707	14.15432	26.34372	0.99322	1.10282	7.08644	13.67779
34	8.03123	10.50112	13.77081	25.71130	0.96673	1.07341	6.89744	13.19974
35	7.80590	10.24248	13.41108	25.14932	0.94267	1.04668	6.72573	12.75383
36	7.59348	10.00010	13.07369	24.65379	0.92087	1.02249	6.57025	12.33901
37	7.39301	9.77304	12.75737	24.22124	0.90122	1.00067	6.43004	11.95513
38	7.20362	9.56041	12.46087	23.84875	0.88360	0.98110	6.30429	11.60097
39	7.02450	9.36135	12.18301	23.53363	0.86790	0.96366	6.19227	11.27576
40	6.85491	9.17504	11.92271	23.27386	0.85403	0.94826	6.09331	10.97847
41	6.69421	9.00067	11.67890	23.06763	0.84191	0.93481	6.00685	10.70789
42	6.54175	8.83747	11.45042	22.91360	0.83148	0.92322	5.93241	10.46234
43	6.39697	8.68460	11.23628	22.81073	0.82267	0.91344	5.86957	10.24029
44	6.25931	8.54128	11.03533	22.75833	0.81544	0.90541	5.81797	10.03952
45	6.12825	8.40660	10.84650	22.75609	0.80974	0.89909	5.77733	9.85794
46	6.00326	8.27956	10.66852	22.80388	0.80555	0.89444	5.74742	9.69293
47	5.88385	8.15914	10.50011	22.90216	0.80284	0.89143	5.72808	9.54124
48	5.76950	8.04415	10.33994	23.05151	0.80159	0.89005	5.71921	9.39969
49	5.76950	8.04415	10.33994	23.25296	0.80181	0.89029	5.72076	9.39969
50	5.76950	8.04415	10.33994	23.50777	0.80349	0.89215	5.73273	9.39969
51	5.76950	8.04415	10.33994	23.81773	0.80664	0.89564	5.75518	9.39969
52	5.76950	8.04415	10.33994	24.18498	0.81127	0.90079	5.78825	9.39969
53	5.76950	8.04415	10.33994	24.61191	0.81742	0.90762	5.83212	9.39969
54	5.76950	8.04415	10.33994	25.10159	0.82511	0.91616	5.88702	9.39969
55	5.76950	8.04415	10.33994	25.65738	0.83440	0.92647	5.95327	9.39969
56	6.51074	9.29467	12.07914	26.28322	0.84533	0.93860	6.03123	11.66341
57	7.25199	10.54519	13.81835	26.98363	0.85796	0.95263	6.12134	13.92713
58	7.99324	11.79570	15.55756	27.76375	0.87236	0.96862	6.22411	16.19084
59	8.73448	13.04623	17.29674	28.62930	0.88862	0.98668	6.34014	18.45454
60	9.47573	14.29675	19.03592	29.58687	0.90684	1.00690	6.47009	20.71826
61	10.21698	15.54725	20.77510	30.64380	0.92711	1.02941	6.61475	22.98198
62	10.95823	16.79776	22.51430	31.80843	0.94956	1.05434	6.77494	25.24564
63	11.69948	18.04825	24.25351	33.09001	0.97433	1.08184	6.95166	27.50937
64	12.44072	19.29877	25.99269	34.49902	1.00157	1.11208	7.14599	29.77309
65	13.18197	20.54927	27.73190	36.04718	1.03144	1.14525	7.35913	32.03682

El Paso 1999 Summer Time Period 1 NOx Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	1.99885	2.17121	2.58310	4.08692	2.55550	2.82024	20.77422	0.90848
4	1.83293	1.99329	2.39258	4.12921	2.44787	2.70146	19.89926	0.86895
5	1.73276	1.88599	2.27890	4.17151	2.34811	2.59136	19.08824	0.83614
6	1.66558	1.81428	2.20388	4.21380	2.25561	2.48928	18.33630	0.80955
7	1.61731	1.76313	2.15113	4.25609	2.16983	2.39462	17.63901	0.78867
8	1.58093	1.72498	2.11242	4.29838	2.09028	2.30683	16.99236	0.77302
9	1.55252	1.69562	2.08317	4.34067	2.01651	2.22541	16.39265	0.76214
10	1.52974	1.67251	2.06061	4.38297	1.94811	2.14992	15.83660	0.75560
11	1.51106	1.65401	2.04294	4.42526	1.88470	2.07995	15.32115	0.75296
12	1.49551	1.63901	2.02899	4.46755	1.82595	2.01511	14.84353	0.75382
13	1.48236	1.62676	2.01790	4.50984	1.77154	1.95506	14.40123	0.75778
14	1.47113	1.61668	2.00907	4.55213	1.72120	1.89950	13.99197	0.76449
15	1.46143	1.60834	2.00203	4.59442	1.67466	1.84815	13.61366	0.77357
16	1.45300	1.60144	1.99645	4.63672	1.63169	1.80073	13.26441	0.78471
17	1.44562	1.59571	1.99205	4.67901	1.59209	1.75702	12.94247	0.79758
18	1.43911	1.59096	1.98861	4.72130	1.55566	1.71682	12.64629	0.81189
19	1.43335	1.58701	1.98596	4.76359	1.52222	1.67992	12.37445	0.82735
20	1.43482	1.58523	1.98534	4.80588	1.49161	1.64614	12.12566	0.84370
21	1.44329	1.59522	1.99758	4.84817	1.46370	1.61534	11.89876	0.86071
22	1.45105	1.60452	2.00901	4.89046	1.43835	1.58736	11.69269	0.87813
23	1.45819	1.61321	2.01972	4.93276	1.41545	1.56209	11.50653	0.89577
24	1.46478	1.62135	2.02977	4.97505	1.39489	1.53940	11.33941	0.91344
25	1.47090	1.62899	2.03922	5.01734	1.37659	1.51920	11.19059	0.93095
26	1.47660	1.63616	2.04812	5.05963	1.36045	1.50139	11.05944	0.94817
27	1.48193	1.64289	2.05651	5.10192	1.34642	1.48590	10.94534	0.96495
28	1.48692	1.64924	2.06444	5.14421	1.33442	1.47266	10.84782	0.98118
29	1.49161	1.65520	2.07194	5.18651	1.32441	1.46162	10.76645	0.99675
30	1.49604	1.66082	2.07904	5.22880	1.31634	1.45271	10.70086	1.01159
31	1.50022	1.66611	2.08578	5.27109	1.31019	1.44592	10.65079	1.02563
32	1.50419	1.67110	2.09219	5.31338	1.30591	1.44120	10.61602	1.03883
33	1.50796	1.67580	2.09829	5.35568	1.30350	1.43853	10.59640	1.05116
34	1.51156	1.68023	2.10412	5.39796	1.30294	1.43791	10.59184	1.06261
35	1.51500	1.68442	2.10972	5.44026	1.30422	1.43934	10.60233	1.07320
36	1.51830	1.68838	2.11510	5.48255	1.30737	1.44281	10.62791	1.08294
37	1.52148	1.69214	2.12031	5.52484	1.31239	1.44835	10.66870	1.09189
38	1.52454	1.69572	2.12538	5.56713	1.31930	1.45597	10.72486	1.10010
39	1.52752	1.69914	2.13035	5.60942	1.32813	1.46572	10.79662	1.10767
40	1.53041	1.70243	2.13524	5.65172	1.33891	1.47762	10.88433	1.11468
41	1.53323	1.70561	2.14011	5.69401	1.35171	1.49174	10.98832	1.12126
42	1.53600	1.70870	2.14498	5.73630	1.36656	1.50813	11.10909	1.12755
43	1.53873	1.71175	2.14991	5.77859	1.38354	1.52687	11.24715	1.13369
44	1.54143	1.71476	2.15493	5.82089	1.40273	1.54805	11.40308	1.13986
45	1.54411	1.71778	2.16009	5.86318	1.42420	1.57174	11.57762	1.14625
46	1.54679	1.72084	2.16545	5.90547	1.44805	1.59807	11.77153	1.15307
47	1.54948	1.72397	2.17105	5.94776	1.47440	1.62714	11.98570	1.16054
48	1.55220	1.72721	2.17694	5.99006	1.50335	1.65910	12.22110	1.16892
49	1.60683	1.79554	2.26566	6.03234	1.53506	1.69409	12.47885	1.20698
50	1.66146	1.86388	2.35439	6.07464	1.56966	1.73227	12.76011	1.24504
51	1.71609	1.93222	2.44312	6.11693	1.60732	1.77383	13.06626	1.28311
52	1.77072	2.00056	2.53185	6.15922	1.64822	1.81897	13.39879	1.32117
53	1.82535	2.06890	2.62057	6.20151	1.69257	1.86791	13.75928	1.35923
54	1.87998	2.13724	2.70930	6.24380	1.74058	1.92090	14.14956	1.39729
55	1.93461	2.20557	2.79803	6.28609	1.79249	1.97819	14.57161	1.43536
56	1.98924	2.27391	2.88676	6.32839	1.84858	2.04009	15.02753	1.47342
57	2.04387	2.34225	2.97549	6.37068	1.90913	2.10691	15.51977	1.51148
58	2.09851	2.41059	3.06421	6.41297	1.97447	2.17901	16.05087	1.54955
59	2.15314	2.47893	3.15294	6.45526	2.04494	2.25679	16.62376	1.58761
60	2.20777	2.54727	3.24167	6.49755	2.12094	2.34066	17.24158	1.62567
61	2.26240	2.61561	3.33040	6.53985	2.20289	2.43110	17.90773	1.66373
62	2.31703	2.68394	3.41913	6.58214	2.29125	2.52862	18.62607	1.70180
63	2.37166	2.75228	3.50786	6.62443	2.38655	2.63379	19.40076	1.73986
64	2.42629	2.82062	3.59658	6.66672	2.48934	2.74723	20.23640	1.77792
65	2.48092	2.88896	3.68531	6.70901	2.60026	2.86963	21.13800	1.81598

El Paso 1999 Summer Time Period 2 VOC Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	9.80179	10.77907	16.30701	20.15642	1.55287	2.07594	5.15755	16.13817
4	7.05175	7.79153	11.70419	15.78194	1.47430	1.97091	4.89660	13.97550
5	5.54965	6.14476	9.14271	13.32148	1.40094	1.87284	4.65295	12.37373
6	4.60993	5.10785	7.51945	11.67357	1.33240	1.78121	4.42531	11.16471
7	3.96919	4.39821	6.40505	10.44985	1.26833	1.69556	4.21252	10.23637
8	3.59011	3.95525	5.69900	9.64146	1.20841	1.61545	4.01349	9.51233
9	3.29624	3.61450	5.15770	8.95066	1.15233	1.54048	3.82723	8.93951
10	3.05363	3.33854	4.72285	8.33714	1.09982	1.47028	3.65282	8.48029
11	2.84833	3.10986	4.36590	7.78839	1.05062	1.40452	3.48944	8.10756
12	2.67101	2.91661	4.06742	7.29485	1.00452	1.34288	3.33629	7.80143
13	2.51520	2.75055	3.81375	6.84896	0.96128	1.28508	3.19268	7.54713
14	2.37626	2.60570	3.59504	6.44458	0.92071	1.23084	3.05794	7.33346
15	2.25078	2.47771	3.40401	6.07661	0.88263	1.17993	2.93146	7.15190
16	2.13621	2.36328	3.23519	5.74076	0.84686	1.13213	2.81269	6.99585
17	2.03060	2.25988	3.08441	5.43339	0.81327	1.08721	2.70110	6.86014
18	1.93243	2.16558	2.94844	5.15135	0.78169	1.04500	2.59623	6.74074
19	1.84050	2.07885	2.82474	4.89191	0.75200	1.00531	2.49763	6.63443
20	1.75704	2.00336	2.71656	4.66308	0.72408	0.96798	2.40488	6.53868
21	1.69219	1.93377	2.61465	4.46798	0.69781	0.93286	2.31762	6.45148
22	1.63262	1.86980	2.52125	4.28922	0.67308	0.89980	2.23549	6.37124
23	1.57763	1.81070	2.43519	4.12519	0.64980	0.86868	2.15817	6.29670
24	1.52667	1.75587	2.35551	3.97445	0.62788	0.83937	2.08536	6.22691
25	1.47924	1.70479	2.28146	3.83575	0.60723	0.81177	2.01678	6.16112
26	1.43495	1.65708	2.21240	3.70796	0.58777	0.78576	1.95217	6.09878
27	1.39346	1.61239	2.14780	3.59008	0.56944	0.76126	1.89130	6.03948
28	1.35447	1.57045	2.08725	3.48122	0.55217	0.73817	1.83393	5.98297
29	1.31774	1.53101	2.03039	3.38058	0.53590	0.71641	1.77987	5.92905
30	1.28305	1.49389	1.97691	3.28743	0.52056	0.69591	1.72893	5.87761
31	1.25023	1.45890	1.92657	3.20114	0.50610	0.67658	1.68092	5.82864
32	1.21910	1.42590	1.87914	3.12113	0.49248	0.65838	1.63568	5.78211
33	1.18952	1.39476	1.83444	3.04689	0.47965	0.64122	1.59307	5.73808
34	1.16137	1.36536	1.79230	2.97793	0.46757	0.62506	1.55293	5.69656
35	1.13453	1.33759	1.75256	2.91385	0.45619	0.60985	1.51513	5.65764
36	1.10891	1.31135	1.71509	2.85426	0.44547	0.59553	1.47955	5.62136
37	1.08440	1.28656	1.67974	2.79883	0.43540	0.58206	1.44609	5.58775
38	1.06094	1.26312	1.64642	2.74723	0.42592	0.56940	1.41462	5.55686
39	1.03844	1.24094	1.61499	2.69919	0.41702	0.55750	1.38506	5.52871
40	1.01683	1.21996	1.58534	2.65447	0.40867	0.54633	1.35731	5.50327
41	0.99606	1.20010	1.55737	2.61283	0.40083	0.53585	1.33128	5.48055
42	0.97605	1.18127	1.53096	2.57406	0.39349	0.52604	1.30690	5.46043
43	0.95677	1.16340	1.50600	2.53799	0.38663	0.51686	1.28410	5.44279
44	0.93816	1.14642	1.48238	2.50443	0.38022	0.50829	1.26281	5.42755
45	0.92016	1.13024	1.45998	2.47325	0.37424	0.50030	1.24297	5.41447
46	0.90273	1.11477	1.43868	2.44431	0.36868	0.49287	1.22451	5.40331
47	0.88582	1.09994	1.41835	2.41748	0.36353	0.48598	1.20739	5.39374
48	0.86978	1.08573	1.39884	2.39268	0.35876	0.47961	1.19156	5.38538
49	0.86675	1.08240	1.39362	2.37021	0.35437	0.47374	1.17697	5.38538
50	0.86388	1.07927	1.38870	2.34988	0.35034	0.46835	1.16358	5.38538
51	0.86118	1.07631	1.38406	2.33157	0.34666	0.46343	1.15136	5.38538
52	0.85863	1.07351	1.37968	2.31521	0.34332	0.45897	1.14027	5.38538
53	0.85622	1.07087	1.37555	2.30070	0.34031	0.45494	1.13028	5.38538
54	0.85393	1.06837	1.37163	2.28798	0.33763	0.45136	1.12136	5.38538
55	0.85177	1.06600	1.36793	2.27700	0.33526	0.44819	1.11349	5.38538
56	0.87609	1.10350	1.42397	2.26769	0.33320	0.44544	1.10665	5.49196
57	0.90052	1.14112	1.48019	2.26003	0.33144	0.44309	1.10083	5.59855
58	0.92505	1.17884	1.53658	2.25398	0.32999	0.44115	1.09599	5.70513
59	0.94967	1.21666	1.59312	2.24952	0.32883	0.43960	1.09214	5.81172
60	0.97437	1.25457	1.64982	2.24663	0.32796	0.43844	1.08926	5.91830
61	0.99915	1.29257	1.70664	2.24530	0.32739	0.43766	1.08735	6.02489
62	1.02401	1.33065	1.76360	2.24554	0.32710	0.43728	1.08639	6.13148
63	1.04893	1.36881	1.82067	2.24736	0.32710	0.43728	1.08639	6.23806
64	1.07392	1.40703	1.87786	2.25076	0.32739	0.43767	1.08735	6.34465
65	1.09897	1.44533	1.93516	2.25578	0.32796	0.43844	1.08926	6.45123

El Paso 1999 Summer Time Period 2 CO Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	65.47032	88.03741	135.67963	198.71858	5.20904	5.78382	37.16547	197.78737
4	50.52803	67.94365	104.64516	181.56073	4.80072	5.33045	34.25215	157.73976
5	41.50352	55.61316	85.07562	166.24950	4.43246	4.92156	31.62476	128.83488
6	35.46831	47.30525	71.67589	152.56494	4.09991	4.55231	29.25208	107.50539
7	31.15393	41.35458	61.99345	140.31503	3.79922	4.21844	27.10669	91.44495
8	27.92027	36.90152	54.71870	129.33290	3.52699	3.91617	25.16441	79.12579
9	25.40913	33.45622	49.08495	119.47293	3.28024	3.64219	23.40385	69.51389
10	23.40431	30.71887	44.61349	110.60770	3.05630	3.39355	21.80612	61.89418
11	21.76756	28.49597	40.99062	102.62590	2.85284	3.16763	20.35448	55.76305
12	20.40654	26.65686	38.00276	95.42976	2.66778	2.96215	19.03407	50.75923
13	19.25694	25.11049	35.50005	88.93365	2.49926	2.77504	17.83177	46.61948
14	18.27298	23.79129	33.37445	83.06215	2.34565	2.60449	16.73582	43.14891
15	17.42087	22.65108	31.54636	77.74937	2.20550	2.44887	15.73586	40.20143
16	16.67531	21.65356	29.95628	72.93646	2.07750	2.30674	14.82259	37.66632
17	16.01697	20.77112	28.55869	68.57239	1.96049	2.17682	13.98776	35.45862
18	15.43085	19.98241	27.31844	64.61136	1.85344	2.05796	13.22400	33.51286
19	14.90514	19.27075	26.20830	61.01314	1.75543	1.94913	12.52469	31.77802
20	14.30849	18.61378	25.21033	57.74231	1.66563	1.84942	11.88400	30.21448
21	13.64486	17.85434	24.11467	54.76711	1.58330	1.75801	11.29660	28.79117
22	13.03979	17.15570	23.11363	52.05959	1.50779	1.67417	10.75781	27.48407
23	12.48556	16.50958	22.19409	49.59492	1.43849	1.59722	10.26338	26.27426
24	11.97583	15.90946	21.34549	47.35103	1.37488	1.52659	9.80951	25.14731
25	11.50531	15.35011	20.55920	45.30824	1.31647	1.46174	9.39279	24.09221
26	11.06961	14.82739	19.82826	43.44905	1.26284	1.40219	9.01016	23.10045
27	10.66502	14.33797	19.14697	41.75793	1.21360	1.34752	8.65885	22.16579
28	10.28840	13.87920	18.51056	40.22098	1.16841	1.29734	8.33640	21.28340
29	9.93706	13.44887	17.91518	38.82590	1.12695	1.25130	8.04059	20.45016
30	9.60870	13.04516	17.35756	37.56183	1.08894	1.20910	7.76939	19.66360
31	9.30132	12.66653	16.83490	36.41885	1.05413	1.17045	7.52102	18.92178
32	9.01315	12.31161	16.34483	35.38849	1.02229	1.13510	7.29385	18.22340
33	8.74267	11.97918	15.88533	34.46301	0.99322	1.10282	7.08644	17.56790
34	8.48848	11.66814	15.45448	33.63570	0.96673	1.07341	6.89744	16.95389
35	8.24938	11.37744	15.05067	32.90047	0.94267	1.04668	6.72573	16.38116
36	8.02425	11.10607	14.67237	32.25221	0.92087	1.02249	6.57025	15.84837
37	7.81208	10.85309	14.31820	31.68637	0.90122	1.00067	6.43004	15.35530
38	7.61198	10.61758	13.98683	31.19902	0.88360	0.98110	6.30429	14.90042
39	7.42311	10.39862	13.67694	30.78679	0.86790	0.96366	6.19227	14.48271
40	7.24469	10.19530	13.38732	30.44695	0.85403	0.94826	6.09331	14.10087
41	7.07600	10.00670	13.11677	30.17722	0.84191	0.93481	6.00685	13.75334
42	6.91638	9.83187	12.86397	29.97569	0.83148	0.92322	5.93241	13.43795
43	6.76518	9.66979	12.62777	29.84109	0.82267	0.91344	5.86957	13.15275
44	6.62179	9.51942	12.40682	29.7254	0.81544	0.90541	5.81797	12.89487
45	6.48560	9.37954	12.19983	29.76961	0.80974	0.89909	5.77733	12.66165
46	6.35597	9.24876	12.00531	29.83212	0.80555	0.89444	5.74742	12.44971
47	6.23230	9.12557	11.82166	29.96072	0.80284	0.89143	5.72808	12.25488
48	6.11393	9.00820	11.64726	30.15607	0.80159	0.89005	5.71921	12.07307
49	6.11393	9.00820	11.64726	30.41959	0.80181	0.89029	5.72076	12.07307
50	6.11393	9.00820	11.64726	30.75298	0.80349	0.89215	5.73273	12.07307
51	6.11393	9.00820	11.64726	31.15848	0.80664	0.89564	5.75518	12.07307
52	6.11393	9.00820	11.64726	31.63889	0.81127	0.90079	5.78825	12.07307
53	6.11393	9.00820	11.64726	32.19743	0.81742	0.90762	5.83212	12.07307
54	6.11393	9.00820	11.64726	32.83804	0.82511	0.91616	5.88702	12.07307
55	6.11393	9.00820	11.64726	33.56511	0.83440	0.92647	5.95327	12.07307
56	6.93653	10.49302	13.70636	34.38387	0.84533	0.93860	6.03123	14.98061
57	7.75913	11.97784	15.76546	35.30016	0.85796	0.95263	6.12134	17.88814
58	8.58173	13.46266	17.82454	36.32063	0.87236	0.96862	6.22411	20.79568
59	9.40434	14.94749	19.88359	37.45299	0.88862	0.98668	6.34014	23.70322
60	10.22694	16.43228	21.94269	38.70570	0.90684	1.00690	6.47009	26.61075
61	11.04954	17.91707	24.00179	40.08841	0.92711	1.02941	6.61475	29.51831
62	11.87214	19.40189	26.06088	41.61195	0.94956	1.05434	6.77494	32.42581
63	12.69475	20.88669	28.12000	43.28853	0.97433	1.08184	6.95166	35.33339
64	13.51735	22.37152	30.17908	45.13187	1.00157	1.11208	7.14599	38.24089
65	14.33995	23.85632	32.23817	47.15712	1.03144	1.14525	7.35913	41.14845

El Paso 1999 Summer Time Period 2 NOx Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HdGV	LDDV	LDDT	HDDV	MC
3	2.01096	2.16782	2.50840	3.97143	2.55550	2.82024	20.77422	0.80643
4	1.84254	1.98869	2.31701	4.01253	2.44787	2.70146	19.89926	0.77133
5	1.74105	1.88079	2.20272	4.05363	2.34811	2.59136	19.08824	0.74221
6	1.67309	1.80874	2.12716	4.09472	2.25561	2.48928	18.33630	0.71861
7	1.62436	1.75738	2.07387	4.13582	2.16983	2.39462	17.63901	0.70007
8	1.58770	1.71907	2.03460	4.17692	2.09028	2.30683	16.99236	0.68618
9	1.55912	1.68957	2.00474	4.21801	2.01651	2.22541	16.39265	0.67653
10	1.53623	1.66632	1.98152	4.25911	1.94811	2.14992	15.83660	0.67072
11	1.51750	1.64767	1.96317	4.30020	1.88470	2.07995	15.32115	0.66838
12	1.50191	1.63252	1.94847	4.34130	1.82595	2.01511	14.84353	0.66914
13	1.48875	1.62008	1.93661	4.38240	1.77154	1.95506	14.40123	0.67266
14	1.47751	1.60980	1.92698	4.42350	1.72120	1.89950	13.99197	0.67861
15	1.46782	1.60126	1.91911	4.46459	1.67466	1.84815	13.61366	0.68667
16	1.45939	1.59413	1.91269	4.50569	1.63169	1.80073	13.26441	0.69656
17	1.45200	1.58816	1.90743	4.54679	1.59209	1.75702	12.94247	0.70799
18	1.44549	1.58315	1.90313	4.58788	1.55566	1.71682	12.64629	0.72068
19	1.43972	1.57895	1.89961	4.62898	1.52222	1.67992	12.37445	0.73441
20	1.44130	1.57678	1.89789	4.67008	1.49161	1.64614	12.12566	0.74893
21	1.44999	1.58646	1.90909	4.71117	1.46370	1.61534	11.89876	0.76402
22	1.45795	1.59546	1.91951	4.75226	1.43835	1.58736	11.69269	0.77949
23	1.46525	1.60386	1.92924	4.79336	1.41545	1.56209	11.50653	0.79514
24	1.47200	1.61170	1.93833	4.83446	1.39489	1.53940	11.33941	0.81082
25	1.47824	1.61904	1.94686	4.87556	1.37659	1.51920	11.19059	0.82637
26	1.48405	1.62593	1.95487	4.91665	1.36045	1.50139	11.05944	0.84166
27	1.48946	1.63239	1.96240	4.95775	1.34642	1.48590	10.94534	0.85655
28	1.49452	1.63845	1.96950	4.99885	1.33442	1.47266	10.84782	0.87096
29	1.49927	1.64416	1.97619	5.03995	1.32441	1.46162	10.76645	0.88478
30	1.50373	1.64952	1.98251	5.08104	1.31634	1.45271	10.70086	0.89795
31	1.50794	1.65456	1.98850	5.12214	1.31019	1.44592	10.65079	0.91024
32	1.51192	1.65930	1.99418	5.16323	1.30591	1.44120	10.61602	0.92213
33	1.51568	1.66376	1.99958	5.20433	1.30350	1.43853	10.59640	0.93308
34	1.51926	1.66797	2.00472	5.24543	1.30294	1.43791	10.59184	0.94325
35	1.52267	1.67194	2.00964	5.28653	1.30422	1.43934	10.60233	0.95264
36	1.52593	1.67569	2.01436	5.32762	1.30737	1.44281	10.62791	0.96129
37	1.52904	1.67924	2.01891	5.36872	1.31239	1.44835	10.66870	0.96923
38	1.53204	1.68261	2.02331	5.40981	1.31930	1.45597	10.72486	0.97652
39	1.53492	1.68583	2.02761	5.45091	1.32813	1.46572	10.79662	0.98324
40	1.53771	1.68891	2.03183	5.49201	1.33891	1.47762	10.88433	0.98946
41	1.54042	1.69188	2.03600	5.53310	1.35171	1.49174	10.98832	0.99531
42	1.54305	1.69476	2.04015	5.57420	1.36656	1.50813	11.10909	1.00088
43	1.54563	1.69757	2.04432	5.61530	1.38354	1.52687	11.24715	1.00634
44	1.54816	1.70035	2.04854	5.65640	1.40273	1.54805	11.40308	1.01181
45	1.55065	1.70312	2.05286	5.69749	1.42420	1.57174	11.57762	1.01749
46	1.55313	1.70591	2.05730	5.73859	1.44805	1.59807	11.77153	1.02354
47	1.55559	1.70875	2.06191	5.77969	1.47440	1.62714	11.98570	1.03018
48	1.55805	1.71167	2.06673	5.82078	1.50335	1.65910	12.22110	1.03761
49	1.61262	1.77932	2.15039	5.86188	1.53506	1.69409	12.47885	1.07140
50	1.66718	1.84697	2.23406	5.90298	1.56966	1.73227	12.76011	1.10518
51	1.72174	1.91462	2.31772	5.94407	1.60732	1.77383	13.06626	1.13897
52	1.77630	1.98227	2.40138	5.98517	1.64822	1.81897	13.39879	1.17276
53	1.83086	2.04992	2.48505	6.02627	1.69257	1.86791	13.75928	1.20654
54	1.88542	2.11756	2.56871	6.06736	1.74058	1.92090	14.14956	1.24033
55	1.93998	2.18521	2.65237	6.10846	1.79249	1.97819	14.57161	1.27412
56	1.99454	2.25286	2.73603	6.14955	1.84858	2.04009	15.02753	1.30790
57	2.04910	2.32051	2.81969	6.19065	1.90913	2.10691	15.51977	1.34169
58	2.10366	2.38816	2.90336	6.23175	1.97447	2.17901	16.05087	1.37548
59	2.15822	2.45581	2.98702	6.27285	2.04494	2.25679	16.62376	1.40926
60	2.21279	2.52346	3.07068	6.31394	2.12094	2.34066	17.24158	1.44305
61	2.26735	2.59110	3.15434	6.35504	2.20289	2.43110	17.90773	1.47684
62	2.32191	2.65875	3.23801	6.39613	2.29125	2.52862	18.62607	1.51062
63	2.37647	2.72640	3.32167	6.43723	2.38655	2.63379	19.40076	1.54441
64	2.43103	2.79405	3.40533	6.47833	2.48934	2.74723	20.23640	1.57820
65	2.48559	2.86170	3.48899	6.51943	2.60026	2.86963	21.13800	1.61199

El Paso 1999 Summer Time Period 3 VOC Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HdGV	LDDV	LDDT	HDDV	MC
3	10.11615	11.08039	16.75389	20.99872	1.55287	2.07594	5.15755	16.36209
4	7.25128	7.97894	11.97140	16.34128	1.47430	1.97091	4.89660	14.20063
5	5.69264	6.27699	9.32500	13.74370	1.40094	1.87284	4.65295	12.59975
6	4.72037	5.20881	7.65466	12.01720	1.33240	1.78121	4.42531	11.39142
7	4.05890	4.47953	6.51130	10.74313	1.26833	1.69556	4.21252	10.46359
8	3.67105	4.02801	5.79332	9.91179	1.20841	1.61545	4.01349	9.73996
9	3.37055	3.68124	5.24368	9.20335	1.15233	1.54048	3.82723	9.16746
10	3.12228	3.40062	4.80227	8.57485	1.09982	1.47028	3.65282	8.70850
11	2.91204	3.16824	4.44006	8.01314	1.05062	1.40452	3.48944	8.33598
12	2.73030	2.97205	4.13729	7.50822	1.00452	1.34288	3.33629	8.03003
13	2.57048	2.80360	3.88009	7.05224	0.96128	1.28508	3.19268	7.77586
14	2.42785	2.65681	3.65842	6.63880	0.92071	1.23084	3.05794	7.56232
15	2.29893	2.52722	3.46492	6.26264	0.88263	1.17993	2.93146	7.38085
16	2.18113	2.41147	3.29401	5.91935	0.84686	1.13213	2.81269	7.22489
17	2.07246	2.30699	3.14145	5.60516	0.81327	1.08721	2.70110	7.08926
18	1.97136	2.21178	3.00396	5.31683	0.78169	1.04500	2.59623	6.96992
19	1.87662	2.12429	2.87896	5.05158	0.75200	1.00531	2.49763	6.86368
20	1.79107	2.04787	2.76948	4.81785	0.72408	0.96798	2.40488	6.76798
21	1.72515	1.97688	2.66581	4.61895	0.69781	0.93286	2.31762	6.68083
22	1.66458	1.91159	2.57079	4.43671	0.67308	0.89980	2.23549	6.60063
23	1.60867	1.85125	2.48323	4.26947	0.64980	0.86868	2.15817	6.52614
24	1.55682	1.79523	2.40216	4.11578	0.62788	0.83937	2.08536	6.45638
25	1.50856	1.74305	2.32680	3.97436	0.60723	0.81177	2.01678	6.39063
26	1.46348	1.69429	2.25652	3.84404	0.58777	0.78576	1.95217	6.32832
27	1.42124	1.64859	2.19078	3.72382	0.56944	0.76126	1.89130	6.26906
28	1.38154	1.60569	2.12914	3.61278	0.55217	0.73817	1.83393	6.21257
29	1.34413	1.56533	2.07126	3.51011	0.53590	0.71641	1.77987	6.15869
30	1.30879	1.52733	2.01681	3.41507	0.52056	0.69591	1.72893	6.10728
31	1.27534	1.49151	1.96555	3.32700	0.50610	0.67658	1.68092	6.05834
32	1.24360	1.45771	1.91724	3.24533	0.49248	0.65838	1.63568	6.01183
33	1.21345	1.42580	1.87170	3.16952	0.47965	0.64122	1.59307	5.96783
34	1.18474	1.39567	1.82875	3.09910	0.46757	0.62506	1.55293	5.92633
35	1.15736	1.36719	1.78824	3.03364	0.45619	0.60985	1.51513	5.88743
36	1.13121	1.34028	1.75002	2.97275	0.44547	0.59553	1.47955	5.85117
37	1.10620	1.31483	1.71396	2.91608	0.43540	0.58206	1.44609	5.81758
38	1.08225	1.29077	1.67994	2.86333	0.42592	0.56940	1.41462	5.78671
39	1.05927	1.26800	1.64784	2.81419	0.41702	0.55750	1.38506	5.75858
40	1.03720	1.24644	1.61755	2.76842	0.40867	0.54633	1.35731	5.73315
41	1.01598	1.22602	1.58895	2.72579	0.40083	0.53585	1.33128	5.71044
42	0.99554	1.20666	1.56192	2.68609	0.39349	0.52604	1.30690	5.69034
43	0.97583	1.18828	1.53637	2.64912	0.38663	0.51686	1.28410	5.67271
44	0.95680	1.17081	1.51217	2.61472	0.38022	0.50829	1.26281	5.65747
45	0.93839	1.15414	1.48921	2.58273	0.37424	0.50030	1.24297	5.64439
46	0.92056	1.13822	1.46736	2.55302	0.36868	0.49287	1.22451	5.63324
47	0.90326	1.12292	1.44650	2.52546	0.36353	0.48598	1.20739	5.62368
48	0.88685	1.10828	1.42647	2.49995	0.35876	0.47961	1.19156	5.61532
49	0.88359	1.10471	1.42084	2.47669	0.35437	0.47374	1.17697	5.61532
50	0.88052	1.10134	1.41553	2.45563	0.35034	0.46835	1.16358	5.61532
51	0.87762	1.09816	1.41054	2.43664	0.34666	0.46343	1.15136	5.61532
52	0.87488	1.09516	1.40582	2.41964	0.34332	0.45897	1.14027	5.61532
53	0.87230	1.09233	1.40137	2.40455	0.34031	0.45494	1.13028	5.61532
54	0.86984	1.08964	1.39715	2.39128	0.33763	0.45136	1.12136	5.61532
55	0.86752	1.08710	1.39316	2.37980	0.33526	0.44819	1.11349	5.61532
56	0.89187	1.12488	1.44931	2.37003	0.33320	0.44544	1.10665	5.72184
57	0.91632	1.16280	1.50565	2.36194	0.33144	0.44309	1.10083	5.82837
58	0.94088	1.20082	1.56217	2.35550	0.32999	0.44115	1.09599	5.93490
59	0.96554	1.23895	1.61887	2.35068	0.32883	0.43960	1.09214	6.04142
60	0.99028	1.27718	1.67571	2.34746	0.32796	0.43844	1.08926	6.14795
61	1.01512	1.31551	1.73271	2.34584	0.32739	0.43766	1.08735	6.25447
62	1.04003	1.35392	1.78984	2.34581	0.32710	0.43728	1.08639	6.36100
63	1.06501	1.39241	1.84711	2.34739	0.32710	0.43728	1.08639	6.46753
64	1.09007	1.43098	1.90449	2.35059	0.32739	0.43767	1.08735	6.57405
65	1.11519	1.46963	1.96199	2.35543	0.32796	0.43844	1.08926	6.68058

El Paso 1999 Summer Time Period 3 CO Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HdGV	LDDV	LDDT	HDDV	MC
3	66.20036	89.62875	138.38330	204.83904	5.20904	5.78382	37.16547	203.36868
4	51.08202	69.16913	106.70778	187.15269	4.80072	5.33045	34.25215	162.19099
5	41.94835	56.60315	86.72594	171.36995	4.43246	4.92156	31.62476	132.47043
6	35.83920	48.13313	73.04097	157.26387	4.09991	4.55231	29.25208	110.53906
7	31.47182	42.06572	63.15157	144.63664	3.79922	4.21844	27.10669	94.02539
8	28.19852	37.52568	55.72119	133.31633	3.52699	3.91617	25.16441	81.35860
9	25.65678	34.01379	49.96713	123.15263	3.28024	3.64219	23.40385	71.47549
10	23.62772	31.22429	45.40047	114.01437	3.05630	3.39355	21.80612	63.64073
11	21.97139	28.95964	41.70071	105.78674	2.85284	3.16763	20.35448	57.33659
12	20.59419	27.08658	38.64970	98.36894	2.66778	2.96215	19.03407	52.19160
13	19.43105	25.51199	36.09433	91.67279	2.49926	2.77504	17.83177	47.93498
14	18.43555	24.16902	33.92413	85.62045	2.34565	2.60449	16.73582	44.36650
15	17.57347	23.00836	32.05783	80.14403	2.20550	2.44887	15.73586	41.33588
16	16.81920	21.99298	30.43457	75.18291	2.07750	2.30674	14.82259	38.72922
17	16.15315	21.09462	29.00786	70.68436	1.96049	2.17682	13.98776	36.45921
18	15.56013	20.29152	27.74181	66.60136	1.85344	2.05796	13.22400	34.45854
19	15.02815	19.56664	26.60854	62.89233	1.75543	1.94913	12.52469	32.67473
20	14.42593	18.89978	25.59418	59.52071	1.66563	1.84942	11.88400	31.06708
21	13.75732	18.13063	24.48302	56.45392	1.58330	1.75801	11.29660	29.60359
22	13.14762	17.42270	23.46771	53.66301	1.50779	1.67417	10.75781	28.25964
23	12.58905	16.76761	22.53500	51.12242	1.43849	1.59722	10.26338	27.01569
24	12.07524	16.15880	21.67413	48.80940	1.37488	1.52659	9.80951	25.85695
25	11.60088	15.59104	20.87645	46.70369	1.31647	1.46174	9.39279	24.77208
26	11.16155	15.06020	20.13480	44.78729	1.26284	1.40219	9.01016	23.75230
27	10.75353	14.56294	19.44345	43.04407	1.21360	1.34752	8.65885	22.79126
28	10.37366	14.09663	18.79762	41.45973	1.16841	1.29734	8.33640	21.88402
29	10.01926	13.65909	18.19337	40.02174	1.12695	1.25130	8.04059	21.02724
30	9.68801	13.24854	17.62741	38.71872	1.08894	1.20910	7.76939	20.21849
31	9.37792	12.86346	17.09692	37.54057	1.05413	1.17045	7.52102	19.45572
32	9.08722	12.50249	16.59953	36.47845	1.02229	1.13510	7.29385	18.73766
33	8.81436	12.16442	16.13315	35.52449	0.99322	1.10282	7.08644	18.06361
34	8.55796	11.84819	15.69590	34.67165	0.96673	1.07341	6.89744	17.43231
35	8.31681	11.55275	15.28611	33.91379	0.94267	1.04668	6.72573	16.84341
36	8.08978	11.27708	14.90225	33.24557	0.92087	1.02249	6.57025	16.29558
37	7.87587	11.02026	14.54294	32.66229	0.90122	1.00067	6.43004	15.78861
38	7.67417	10.78135	14.20682	32.15997	0.88360	0.98110	6.30429	15.32089
39	7.48384	10.55942	13.89254	31.73506	0.86790	0.96366	6.19227	14.89139
40	7.30409	10.35355	13.59890	31.38472	0.85403	0.94826	6.09331	14.49878
41	7.13421	10.16281	13.32466	31.10666	0.84191	0.93481	6.00685	14.14144
42	6.97351	9.98622	13.06851	30.89888	0.83148	0.92322	5.93241	13.81715
43	6.82134	9.82273	12.82924	30.76019	0.82267	0.91344	5.86957	13.52390
44	6.67708	9.67127	12.60549	30.68953	0.81544	0.90541	5.81797	13.25875
45	6.54010	9.53057	12.39595	30.68649	0.80974	0.89909	5.77733	13.01895
46	6.40977	9.39918	12.19910	30.75099	0.80555	0.89444	5.74742	12.80102
47	6.28545	9.27552	12.01328	30.88347	0.80284	0.89143	5.72808	12.60070
48	6.16646	9.15774	11.83686	31.08485	0.80159	0.89005	5.71921	12.41376
49	6.16646	9.15774	11.83686	31.35654	0.80181	0.89029	5.72076	12.41376
50	6.16646	9.15774	11.83686	31.70015	0.80349	0.89215	5.73273	12.41376
51	6.16646	9.15774	11.83686	32.11816	0.80664	0.89564	5.75518	12.41376
52	6.16646	9.15774	11.83686	32.61336	0.81127	0.90079	5.78825	12.41376
53	6.16646	9.15774	11.83686	33.18906	0.81742	0.90762	5.83212	12.41376
54	6.16646	9.15774	11.83686	33.84943	0.82511	0.91616	5.88702	12.41376
55	6.16646	9.15774	11.83686	34.59889	0.83440	0.92647	5.95327	12.41376
56	7.00141	10.67863	13.94190	35.44286	0.84533	0.93860	6.03123	15.40335
57	7.83635	12.19952	16.04694	36.38734	0.85796	0.95263	6.12134	18.39291
58	8.67130	13.72042	18.15198	37.43930	0.87236	0.96862	6.22411	21.38249
59	9.50626	15.24131	20.25697	38.60655	0.88862	0.98668	6.34014	24.37210
60	10.34120	16.76216	22.36200	39.89783	0.90684	1.00690	6.47009	27.36165
61	11.17616	18.28302	24.46704	41.32314	0.92711	1.02941	6.61475	30.35127
62	12.01110	19.80391	26.57208	42.89359	0.94956	1.05434	6.77494	33.34081
63	12.84606	21.32478	28.67712	44.62180	0.97433	1.08184	6.95166	36.33043
64	13.68100	22.84569	30.78215	46.52187	1.00157	1.11208	7.14599	39.31999
65	14.51595	24.36656	32.88719	48.60953	1.03144	1.14525	7.35913	42.30962

El Paso 1999 Summer Time Period 3 NOx Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDTV	LDDV	LDDT	HDDV	MC
3	2.01249	2.16803	2.50294	3.96301	2.55550	2.82024	20.77422	0.79750
4	1.84382	1.98876	2.31143	4.00402	2.44787	2.70146	19.89926	0.76280
5	1.74219	1.88078	2.19705	4.04503	2.34811	2.59136	19.08824	0.73400
6	1.67415	1.80869	2.12143	4.08604	2.25561	2.48928	18.33630	0.71065
7	1.62538	1.75729	2.06808	4.12705	2.16983	2.39462	17.63901	0.69232
8	1.58868	1.71896	2.02875	4.16806	2.09028	2.30683	16.99236	0.67859
9	1.56008	1.68944	1.99883	4.20907	2.01651	2.22541	16.39265	0.66904
10	1.53717	1.66617	1.97555	4.25008	1.94811	2.14992	15.83660	0.66330
11	1.51843	1.64750	1.95713	4.29109	1.88470	2.07995	15.32115	0.66098
12	1.50284	1.63233	1.94237	4.33210	1.82595	2.01511	14.84353	0.66173
13	1.48967	1.61988	1.93044	4.37311	1.77154	1.95506	14.40123	0.66521
14	1.47843	1.60958	1.92073	4.41412	1.72120	1.89950	13.99197	0.67110
15	1.46873	1.60101	1.91280	4.45513	1.67466	1.84815	13.61366	0.67907
16	1.46030	1.59386	1.90630	4.49614	1.63169	1.80073	13.26441	0.68885
17	1.45291	1.58786	1.90096	4.53715	1.59209	1.75702	12.94247	0.70015
18	1.44639	1.58284	1.89659	4.57816	1.55566	1.71682	12.64629	0.71271
19	1.44062	1.57861	1.89301	4.61917	1.52222	1.67992	12.37445	0.72628
20	1.44221	1.57640	1.89119	4.66018	1.49161	1.64614	12.12566	0.74064
21	1.45092	1.58606	1.90231	4.70118	1.46370	1.61534	11.89876	0.75556
22	1.45889	1.59503	1.91265	4.74219	1.43835	1.58736	11.69269	0.77086
23	1.46621	1.60340	1.92229	4.78320	1.41545	1.56209	11.50653	0.78634
24	1.47297	1.61122	1.93131	4.82421	1.39489	1.53940	11.33941	0.80185
25	1.47923	1.61854	1.93976	4.86522	1.37659	1.51920	11.19059	0.81723
26	1.48504	1.62540	1.94770	4.90623	1.36045	1.50139	11.05944	0.83234
27	1.49046	1.63183	1.95516	4.94724	1.34642	1.48590	10.94534	0.84707
28	1.49553	1.63788	1.96219	4.98825	1.33442	1.47266	10.84782	0.86131
29	1.50028	1.64356	1.96882	5.02926	1.32441	1.46162	10.76645	0.87498
30	1.50475	1.64890	1.97508	5.07027	1.31634	1.45271	10.70086	0.88801
31	1.50896	1.65392	1.98101	5.11128	1.31019	1.44592	10.65079	0.90034
32	1.51293	1.65864	1.98663	5.15229	1.30591	1.44120	10.61602	0.91193
33	1.51670	1.66309	1.99197	5.19330	1.30350	1.43853	10.59640	0.92275
34	1.52028	1.66727	1.99706	5.23431	1.30294	1.43791	10.59184	0.93280
35	1.52369	1.67123	2.00192	5.27532	1.30422	1.43934	10.60233	0.94210
36	1.52694	1.67496	2.00658	5.31633	1.30737	1.44281	10.62791	0.95065
37	1.53005	1.67849	2.01108	5.35733	1.31239	1.44835	10.66870	0.95850
38	1.53304	1.68185	2.01544	5.39835	1.31930	1.45597	10.72486	0.96571
39	1.53592	1.68504	2.01968	5.43935	1.32813	1.46572	10.79662	0.97236
40	1.53870	1.68811	2.02384	5.48036	1.33891	1.47762	10.88433	0.97851
41	1.54140	1.69106	2.02796	5.52137	1.35171	1.49174	10.98832	0.98429
42	1.54402	1.69392	2.03205	5.56238	1.36656	1.50813	11.10909	0.98980
43	1.54659	1.69672	2.03616	5.60339	1.38354	1.52687	11.24715	0.99520
44	1.54910	1.69948	2.04032	5.64440	1.40273	1.54805	11.40308	1.00061
45	1.55159	1.70223	2.04456	5.68541	1.42420	1.57174	11.57762	1.00622
46	1.55404	1.70499	2.04893	5.72642	1.44805	1.59807	11.77153	1.01221
47	1.55649	1.70781	2.05346	5.76743	1.47440	1.62714	11.98570	1.01877
48	1.55894	1.71071	2.05820	5.80844	1.50335	1.65910	12.22110	1.02612
49	1.61350	1.77831	2.14147	5.84945	1.53506	1.69409	12.47885	1.05954
50	1.66807	1.84592	2.22474	5.89046	1.56966	1.73227	12.76011	1.09295
51	1.72264	1.91352	2.30800	5.93147	1.60732	1.77383	13.06626	1.12636
52	1.77721	1.98113	2.39127	5.97248	1.64822	1.81897	13.39879	1.15977
53	1.83178	2.04873	2.47454	6.01349	1.69257	1.86791	13.75928	1.19319
54	1.88635	2.11634	2.55781	6.05450	1.74058	1.92090	14.14956	1.22660
55	1.94092	2.18395	2.64108	6.09551	1.79249	1.97819	14.57161	1.26001
56	1.99549	2.25155	2.72435	6.13652	1.84858	2.04009	15.02753	1.29343
57	2.05006	2.31916	2.80761	6.17753	1.90913	2.10691	15.51977	1.32684
58	2.10463	2.38676	2.89088	6.21854	1.97447	2.17901	16.05087	1.36025
59	2.15920	2.45437	2.97415	6.25955	2.04494	2.25679	16.62376	1.39367
60	2.21377	2.52198	3.05742	6.30056	2.12094	2.34066	17.24158	1.42708
61	2.26834	2.58958	3.14069	6.34157	2.20289	2.43110	17.90773	1.46049
62	2.32291	2.65719	3.22396	6.38258	2.29125	2.52862	18.62607	1.49390
63	2.37748	2.72479	3.30722	6.42359	2.38655	2.63379	19.40076	1.52732
64	2.43205	2.79240	3.39049	6.46459	2.48934	2.74723	20.23640	1.56073
65	2.48662	2.86000	3.47376	6.50561	2.60026	2.86963	21.13800	1.59414

El Paso 1999 Summer Time Period 4 VOC Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HdGV	LDDV	LDDT	HDDV	MC
3	7.08138	8.45365	12.95521	13.22254	1.55287	2.07594	5.15755	13.73854
4	5.27860	6.32901	9.69776	11.05173	1.47430	1.97091	4.89660	11.53504
5	4.25200	5.10134	7.76981	9.66983	1.40094	1.87284	4.65295	9.90303
6	3.59058	4.30268	6.49654	8.64614	1.33240	1.78121	4.42531	8.67119
7	3.12959	3.74276	5.59679	7.82563	1.26833	1.69556	4.21252	7.72533
8	2.82617	3.36646	4.97861	7.20257	1.20841	1.61545	4.01349	6.98762
9	2.59077	3.07319	4.49914	6.65564	1.15233	1.54048	3.82723	6.40398
10	2.39949	2.83460	4.11333	6.16572	1.09982	1.47028	3.65282	5.93610
11	2.24032	2.63589	3.79613	5.72506	1.05062	1.40452	3.48944	5.55633
12	2.10523	2.46708	3.53044	5.32740	1.00452	1.34288	3.33629	5.24443
13	1.98865	2.32120	3.30420	4.96754	0.96128	1.28508	3.19268	4.98532
14	1.88659	2.19325	3.10869	4.64109	0.92071	1.23084	3.05794	4.76762
15	1.79613	2.07954	2.93749	4.34428	0.88263	1.17993	2.93146	4.58263
16	1.71507	1.97730	2.78574	4.07389	0.84686	1.13213	2.81269	4.42363
17	1.64172	1.88442	2.64976	3.82707	0.81327	1.08721	2.70110	4.28537
18	1.57479	1.79925	2.52668	3.60137	0.78169	1.04500	2.59623	4.16371
19	1.51325	1.72050	2.41427	3.39460	0.75200	1.00531	2.49763	4.05540
20	1.45129	1.65298	2.31628	3.20882	0.72408	0.96798	2.40488	3.95784
21	1.39518	1.59322	2.22634	3.04430	0.69781	0.93286	2.31762	3.86899
22	1.34383	1.53841	2.14391	2.89362	0.67308	0.89980	2.23549	3.78723
23	1.29663	1.48790	2.06796	2.75545	0.64980	0.86868	2.15817	3.71129
24	1.25305	1.44114	1.99763	2.62862	0.62788	0.83937	2.08536	3.64018
25	1.21266	1.39770	1.93227	2.51205	0.60723	0.81177	2.01678	3.57314
26	1.17510	1.35722	1.87129	2.40481	0.58777	0.78576	1.95217	3.50963
27	1.14006	1.31939	1.81427	2.30606	0.56944	0.76126	1.89130	3.44922
28	1.10727	1.28397	1.76083	2.21503	0.55217	0.73817	1.83393	3.39163
29	1.07652	1.25073	1.71065	2.13106	0.53590	0.71641	1.77987	3.33669
30	1.04761	1.21952	1.66349	2.05352	0.52056	0.69591	1.72893	3.28429
31	1.02037	1.19016	1.61913	1.98187	0.50610	0.67658	1.68092	3.23439
32	0.99464	1.16252	1.57738	1.91562	0.49248	0.65838	1.63568	3.18698
33	0.97031	1.13648	1.53809	1.85433	0.47965	0.64122	1.59307	3.14212
34	0.94726	1.11194	1.50111	1.79760	0.46757	0.62506	1.55293	3.09982
35	0.92537	1.08880	1.46630	1.74506	0.45619	0.60985	1.51513	3.06016
36	0.90457	1.06697	1.43356	1.69639	0.44547	0.59553	1.47955	3.02320
37	0.88477	1.04636	1.40276	1.65130	0.43540	0.58206	1.44609	2.98896
38	0.86589	1.02691	1.37381	1.60951	0.42592	0.56940	1.41462	2.95749
39	0.84788	1.00853	1.34660	1.57080	0.41702	0.55750	1.38506	2.92880
40	0.83065	0.99116	1.32103	1.53494	0.40867	0.54633	1.35731	2.90288
41	0.81417	0.97474	1.29699	1.50175	0.40083	0.53585	1.33128	2.87973
42	0.79838	0.95919	1.27440	1.47103	0.39349	0.52604	1.30690	2.85924
43	0.78322	0.94446	1.25314	1.44263	0.38663	0.51686	1.28410	2.84127
44	0.76866	0.93047	1.23312	1.41642	0.38022	0.50829	1.26281	2.82573
45	0.75464	0.91717	1.21421	1.39225	0.37424	0.50030	1.24297	2.81240
46	0.74114	0.90448	1.19631	1.37001	0.36868	0.49287	1.22451	2.80103
47	0.72810	0.89234	1.17929	1.34961	0.36353	0.48598	1.20739	2.79128
48	0.71570	0.88073	1.16304	1.33099	0.35876	0.47961	1.19156	2.78276
49	0.71438	0.87930	1.16091	1.31459	0.35437	0.47374	1.17697	2.78276
50	0.71314	0.87796	1.15890	1.29989	0.35034	0.46835	1.16358	2.78276
51	0.71197	0.87669	1.15700	1.28682	0.34666	0.46343	1.15136	2.78276
52	0.71086	0.87549	1.15520	1.27531	0.34332	0.45897	1.14027	2.78276
53	0.70980	0.87436	1.15351	1.26530	0.34031	0.45494	1.13028	2.78276
54	0.70880	0.87328	1.15190	1.25675	0.33763	0.45136	1.12136	2.78276
55	0.70785	0.87226	1.15038	1.24961	0.33526	0.44819	1.11349	2.78276
56	0.73218	0.90761	1.20603	1.24386	0.33320	0.44544	1.10665	2.89136
57	0.75655	0.94301	1.26176	1.23946	0.33144	0.44309	1.10083	2.99996
58	0.78096	0.97845	1.31756	1.23639	0.32999	0.44115	1.09599	3.10855
59	0.80542	1.01394	1.37341	1.23465	0.32883	0.43960	1.09214	3.21715
60	0.82990	1.04946	1.42933	1.23423	0.32796	0.43844	1.08926	3.32575
61	0.85442	1.08502	1.48531	1.23513	0.32739	0.43766	1.08735	3.43435
62	0.87897	1.12061	1.54133	1.23735	0.32710	0.43728	1.08639	3.54294
63	0.90355	1.15624	1.59740	1.24091	0.32710	0.43728	1.08639	3.65154
64	0.92816	1.19190	1.65353	1.24584	0.32739	0.43767	1.08735	3.76014
65	0.95280	1.22758	1.70969	1.25215	0.32796	0.43844	1.08926	3.86874

El Paso 1999 Summer Time Period 4 CO Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDTV	LDDV	LDDT	HDDV	MC
3	61.16443	78.01097	116.18782	147.69481	5.20904	5.78382	37.16547	151.21286
4	47.27490	60.21341	89.74590	134.94243	4.80072	5.33045	34.25215	120.59557
5	38.90845	49.37830	73.16885	123.56264	4.43246	4.92156	31.62476	98.49716
6	33.32036	42.10486	61.85237	113.39174	4.09991	4.55231	29.25208	82.19026
7	29.32687	36.90018	53.68576	104.28714	3.79922	4.21844	27.10669	69.91170
8	26.33295	33.00233	47.55110	96.12486	3.52699	3.91617	25.16441	60.49342
9	24.00652	29.98108	42.79796	88.79655	3.28024	3.64219	23.40385	53.14493
10	22.14766	27.57486	39.02217	82.20761	3.05630	3.39355	21.80612	47.31947
11	20.62874	25.61568	35.95955	76.27525	2.85284	3.16763	20.35448	42.63206
12	19.36459	23.99062	33.43085	70.92682	2.66778	2.96215	19.03407	38.80658
13	18.29610	22.62120	31.31021	66.09869	2.49926	2.77504	17.83177	35.64163
14	17.38100	21.45099	29.50723	61.73477	2.34565	2.60449	16.73582	32.98830
15	16.58827	20.43851	27.95526	57.78612	2.20550	2.44887	15.73586	30.73489
16	15.89467	19.55275	26.60435	54.20903	2.07750	2.30674	14.82259	28.79677
17	15.28239	18.76990	25.41647	50.96547	1.96049	2.17682	13.98776	27.10892
18	14.73762	18.07152	24.36217	48.02147	1.85344	2.05796	13.22400	25.62134
19	14.24947	17.44328	23.41843	45.34712	1.75543	1.94913	12.52469	24.29500
20	13.68409	16.84721	22.53891	42.91614	1.66563	1.84942	11.88400	23.09966
21	13.04591	16.14601	21.55321	40.70483	1.58330	1.75801	11.29660	22.01151
22	12.46476	15.50384	20.65335	38.69254	1.50779	1.67417	10.75781	21.01221
23	11.93316	14.91282	19.82758	36.86072	1.43849	1.59722	10.26338	20.08727
24	11.44493	14.36655	19.06636	35.19298	1.37488	1.52659	9.80951	19.22569
25	10.99489	13.85986	18.36186	33.67470	1.31647	1.46174	9.39279	18.41905
26	10.57870	13.38849	17.70769	32.29288	1.26284	1.40219	9.01016	17.66083
27	10.19269	12.94895	17.09860	31.03598	1.21360	1.34752	8.65885	16.94624
28	9.83374	12.53834	16.53020	29.89365	1.16841	1.29734	8.33640	16.27168
29	9.49917	12.15423	15.99885	28.85686	1.12695	1.25130	8.04059	15.63463
30	9.18665	11.79453	15.50146	27.91731	1.08894	1.20910	7.76939	15.03329
31	8.89418	11.45750	15.03541	27.06783	1.05413	1.17045	7.52102	14.46615
32	8.61999	11.14156	14.59842	26.30202	1.02229	1.13510	7.29385	13.93223
33	8.36254	10.84532	14.18856	25.61418	0.99322	1.10282	7.08644	13.43106
34	8.12045	10.56756	13.80403	24.99927	0.96673	1.07341	6.89744	12.96164
35	7.89250	10.30713	13.44329	24.45282	0.94267	1.04668	6.72573	12.52377
36	7.67759	10.06299	13.10490	23.97101	0.92087	1.02249	6.57025	12.11643
37	7.47475	9.83417	12.78758	23.55046	0.90122	1.00067	6.43004	11.73948
38	7.28308	9.61977	12.49006	23.18825	0.88360	0.98110	6.30429	11.39171
39	7.10178	9.41891	12.21117	22.88188	0.86790	0.96366	6.19227	11.07236
40	6.93009	9.23077	11.94981	22.62929	0.85403	0.94826	6.09331	10.78043
41	6.76736	9.05455	11.70490	22.42879	0.84191	0.93481	6.00685	10.51474
42	6.61295	8.88946	11.47532	22.27902	0.83148	0.92322	5.93241	10.27362
43	6.46628	8.73469	11.26004	22.17900	0.82267	0.91344	5.86957	10.05557
44	6.32678	8.58943	11.05793	22.12804	0.81544	0.90541	5.81797	9.85842
45	6.19395	8.45280	10.86791	22.12587	0.80974	0.89909	5.77733	9.68012
46	6.06725	8.32383	10.68876	22.17235	0.80555	0.89444	5.74742	9.51808
47	5.94619	8.20151	10.51917	22.26790	0.80284	0.89143	5.72808	9.36913
48	5.83024	8.08467	10.35785	22.41312	0.80159	0.89005	5.71921	9.23014
49	5.83024	8.08467	10.35785	22.60898	0.80181	0.89029	5.72076	9.23014
50	5.83024	8.08467	10.35785	22.85670	0.80349	0.89215	5.73273	9.23014
51	5.83024	8.08467	10.35785	23.15811	0.80664	0.89564	5.75518	9.23014
52	5.83024	8.08467	10.35785	23.51520	0.81127	0.90079	5.78825	9.23014
53	5.83024	8.08467	10.35785	23.93030	0.81742	0.90762	5.83212	9.23014
54	5.83024	8.08467	10.35785	24.40640	0.82511	0.91616	5.88702	9.23014
55	5.83024	8.08467	10.35785	24.94679	0.83440	0.92647	5.95327	9.23014
56	6.57578	9.33274	12.08877	25.55530	0.84533	0.93860	6.03123	11.45301
57	7.32132	10.58081	13.81968	26.23631	0.85796	0.95263	6.12134	13.67591
58	8.06687	11.82889	15.55061	26.99481	0.87236	0.96862	6.22411	15.89879
59	8.81241	13.07696	17.28148	27.83641	0.88862	0.98668	6.34014	18.12167
60	9.55795	14.32504	19.01239	28.76747	0.90684	1.00690	6.47009	20.34453
61	10.30349	15.57310	20.74327	29.79515	0.92711	1.02941	6.61475	22.56741
62	11.04903	16.82115	22.47418	30.92749	0.94956	1.05434	6.77494	24.79025
63	11.79457	18.06918	24.20509	32.17358	0.97433	1.08184	6.95166	27.01315
64	12.54011	19.31728	25.93599	33.54359	1.00157	1.11208	7.14599	29.23604
65	13.28565	20.56532	27.66692	35.04886	1.03144	1.14525	7.35913	31.45892

El Paso 1999 Summer Time Period 4 NOx Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HdGV	LDDV	LDDT	HDDV	MC
3	2.04126	2.20944	2.63529	3.96126	2.55550	2.82024	20.77422	0.92604
4	1.87194	2.02846	2.44141	4.00225	2.44787	2.70146	19.89926	0.88574
5	1.76970	1.91931	2.32572	4.04325	2.34811	2.59136	19.08824	0.85230
6	1.70111	1.84636	2.24937	4.08424	2.25561	2.48928	18.33630	0.82519
7	1.65183	1.79431	2.19569	4.12523	2.16983	2.39462	17.63901	0.80391
8	1.61468	1.75549	2.15631	4.16622	2.09028	2.30683	16.99236	0.78796
9	1.58566	1.72561	2.12656	4.20721	2.01651	2.22541	16.39265	0.77688
10	1.56238	1.70208	2.10362	4.24820	1.94811	2.14992	15.83660	0.77021
11	1.54330	1.68324	2.08567	4.28920	1.88470	2.07995	15.32115	0.76751
12	1.52740	1.66798	2.07150	4.33018	1.82595	2.01511	14.84353	0.76839
13	1.51396	1.65549	2.06025	4.37118	1.77154	1.95506	14.40123	0.77243
14	1.50247	1.64522	2.05130	4.41217	1.72120	1.89950	13.99197	0.77926
15	1.49256	1.63673	2.04418	4.45316	1.67466	1.84815	13.61366	0.78853
16	1.48394	1.62970	2.03854	4.49415	1.63169	1.80073	13.26441	0.79988
17	1.47638	1.62385	2.03411	4.53514	1.59209	1.75702	12.94247	0.81300
18	1.46972	1.61901	2.03066	4.57613	1.55566	1.71682	12.64629	0.82758
19	1.46383	1.61499	2.02801	4.61713	1.52222	1.67992	12.37445	0.84334
20	1.46533	1.61312	2.02738	4.65812	1.49161	1.64614	12.12566	0.86001
21	1.47397	1.62317	2.03979	4.69911	1.46370	1.61534	11.89876	0.87734
22	1.48188	1.63253	2.05139	4.74010	1.43835	1.58736	11.69269	0.89511
23	1.48917	1.64128	2.06225	4.78109	1.41545	1.56209	11.50653	0.91309
24	1.49589	1.64948	2.07246	4.82208	1.39489	1.53940	11.33941	0.93109
25	1.50214	1.65718	2.08206	4.86307	1.37659	1.51920	11.19059	0.94895
26	1.50795	1.66440	2.09110	4.90406	1.36045	1.50139	11.05944	0.96650
27	1.51339	1.67120	2.09964	4.94506	1.34642	1.48590	10.94534	0.98360
28	1.51848	1.67759	2.10770	4.98604	1.33442	1.47266	10.84782	1.00014
29	1.52327	1.68361	2.11533	5.02704	1.32441	1.46162	10.76645	1.01601
30	1.52779	1.68927	2.12256	5.06803	1.31634	1.45271	10.70086	1.03114
31	1.53206	1.69461	2.12942	5.10902	1.31019	1.44592	10.65079	1.04546
32	1.53611	1.69964	2.13594	5.15001	1.30591	1.44120	10.61602	1.05891
33	1.53997	1.70438	2.14216	5.19101	1.30350	1.43853	10.59640	1.07148
34	1.54365	1.70886	2.14810	5.23200	1.30294	1.43791	10.59184	1.08315
35	1.54717	1.71309	2.15380	5.27299	1.30422	1.43934	10.60233	1.09394
36	1.55054	1.71709	2.15930	5.31398	1.30737	1.44281	10.62791	1.10387
37	1.55380	1.72089	2.16461	5.35497	1.31239	1.44835	10.66870	1.11300
38	1.55694	1.72451	2.16979	5.39596	1.31930	1.45597	10.72486	1.12137
39	1.55998	1.72797	2.17486	5.43695	1.32813	1.46572	10.79662	1.12908
40	1.56295	1.73130	2.17987	5.47795	1.33891	1.47762	10.88433	1.13623
41	1.56584	1.73451	2.18485	5.51894	1.35171	1.49174	10.98832	1.14294
42	1.56868	1.73765	2.18984	5.55993	1.36656	1.50813	11.10909	1.14934
43	1.57148	1.74073	2.19489	5.60092	1.38354	1.52687	11.24715	1.15560
44	1.57426	1.74378	2.20004	5.64191	1.40273	1.54805	11.40308	1.16189
45	1.57701	1.74685	2.20534	5.68290	1.42420	1.57174	11.57762	1.16841
46	1.57977	1.74996	2.21084	5.72390	1.44805	1.59807	11.77153	1.17536
47	1.58254	1.75313	2.21659	5.76488	1.47440	1.62714	11.98570	1.18298
48	1.58534	1.75643	2.22265	5.80588	1.50335	1.65910	12.22110	1.19151
49	1.64111	1.82589	2.31324	5.84687	1.53506	1.69409	12.47885	1.23031
50	1.69687	1.89535	2.40383	5.88786	1.56966	1.73227	12.76011	1.26911
51	1.75264	1.96482	2.49442	5.92885	1.60732	1.77383	13.06626	1.30791
52	1.80840	2.03428	2.58501	5.96985	1.64822	1.81897	13.39879	1.34671
53	1.86417	2.10375	2.67559	6.01083	1.69257	1.86791	13.75928	1.38551
54	1.91993	2.17321	2.76618	6.05182	1.74058	1.92090	14.14956	1.42430
55	1.97570	2.24268	2.85677	6.09282	1.79249	1.97819	14.57161	1.46310
56	2.03146	2.31214	2.94736	6.13381	1.84858	2.04009	15.02753	1.50190
57	2.08723	2.38160	3.03795	6.17480	1.90913	2.10691	15.51977	1.54070
58	2.14299	2.45107	3.12854	6.21579	1.97447	2.17901	16.05087	1.57950
59	2.19876	2.52053	3.21913	6.25678	2.04494	2.25679	16.62376	1.61830
60	2.25453	2.59000	3.30971	6.29777	2.12094	2.34066	17.24158	1.65709
61	2.31029	2.65946	3.40030	6.33877	2.20289	2.43110	17.90773	1.69589
62	2.36606	2.72892	3.49089	6.37976	2.29125	2.52862	18.62607	1.73469
63	2.42182	2.79839	3.58148	6.42075	2.38655	2.63379	19.40076	1.77349
64	2.47759	2.86785	3.67207	6.46174	2.48934	2.74723	20.23640	1.81229
65	2.53335	2.93731	3.76266	6.50273	2.60026	2.86963	21.13800	1.85108

El Paso 1999 Winter Time Period 1 VOC Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HdGV	LDDV	LDDT	HDDV	MC
3	9.77409	12.07733	17.29942	13.00677	1.58374	2.12362	5.24770	16.50023
4	7.55692	9.37299	13.44731	11.87415	1.50361	2.01617	4.98219	13.58642
5	6.21863	7.71500	11.01550	10.85826	1.42879	1.91585	4.73428	11.42831
6	5.32318	6.59522	9.34554	9.94583	1.35889	1.82212	4.50267	9.79937
7	4.68234	5.78990	8.13452	9.12528	1.29355	1.73450	4.28616	8.54859
8	4.20135	5.18431	7.22126	8.38640	1.23243	1.65255	4.08364	7.57307
9	3.82726	4.71337	6.51149	7.72020	1.17523	1.57586	3.89413	6.80129
10	3.52814	4.33728	5.94629	7.11878	1.12168	1.50405	3.71668	6.18258
11	3.28359	4.03039	5.48697	6.57518	1.07151	1.43678	3.55043	5.68039
12	3.07996	3.77536	5.10714	6.08322	1.02448	1.37372	3.39461	5.26794
13	2.90778	3.56012	4.78819	5.63747	0.98038	1.31459	3.24849	4.92531
14	2.76027	3.37596	4.51669	5.23310	0.93901	1.25911	3.11139	4.63743
15	2.63246	3.21648	4.28273	4.86585	0.90017	1.20703	2.98270	4.39280
16	2.52061	3.07687	4.07884	4.53192	0.86370	1.15813	2.86185	4.18255
17	2.42187	2.95345	3.89932	4.22796	0.82943	1.11218	2.74832	3.99971
18	2.33401	2.84338	3.73977	3.95098	0.79723	1.06900	2.64161	3.83883
19	2.25530	2.74442	3.59674	3.69830	0.76695	1.02840	2.54129	3.69561
20	2.16740	2.65060	3.46217	3.46757	0.73847	0.99021	2.44692	3.56660
21	2.07668	2.54884	3.32238	3.25665	0.71168	0.95428	2.35813	3.44911
22	1.99407	2.45571	3.19451	3.06367	0.68646	0.92047	2.27457	3.34100
23	1.91850	2.37006	3.07691	2.88694	0.66271	0.88863	2.19590	3.24057
24	1.84910	2.29096	2.96826	2.72494	0.64036	0.85865	2.12181	3.14654
25	1.78512	2.21764	2.86748	2.57632	0.61930	0.83041	2.05203	3.05790
26	1.72596	2.14948	2.77368	2.43987	0.59946	0.80381	1.98629	2.97390
27	1.67109	2.08595	2.68614	2.31450	0.58076	0.77874	1.92436	2.89402
28	1.62006	2.02662	2.60428	2.19923	0.56315	0.75512	1.86599	2.81787
29	1.57249	1.97112	2.52759	2.09318	0.54655	0.73286	1.81099	2.74522
30	1.52805	1.91915	2.45568	1.99556	0.53091	0.71189	1.75915	2.67592
31	1.48645	1.87043	2.38818	1.90566	0.51616	0.69212	1.71030	2.60994
32	1.44746	1.82473	2.32480	1.82285	0.50227	0.67350	1.66428	2.54725
33	1.41083	1.78185	2.26528	1.74653	0.48919	0.65595	1.62092	2.48793
34	1.37638	1.74159	2.20938	1.67618	0.47686	0.63942	1.58007	2.43199
35	1.34394	1.70380	2.15691	1.61134	0.46525	0.62386	1.54162	2.37955
36	1.31335	1.66831	2.10767	1.55159	0.45433	0.60921	1.50542	2.33066
37	1.28446	1.63499	2.06146	1.49652	0.44405	0.59543	1.47137	2.28539
38	1.25716	1.60370	2.01814	1.44581	0.43439	0.58247	1.43935	2.24377
39	1.23133	1.57431	1.97753	1.39912	0.42531	0.57030	1.40927	2.20584
40	1.20686	1.54671	1.93947	1.35619	0.41679	0.55887	1.38103	2.17156
41	1.18365	1.52078	1.90381	1.31676	0.40880	0.54816	1.35455	2.14094
42	1.16162	1.49639	1.87040	1.28058	0.40131	0.53812	1.32975	2.11385
43	1.14069	1.47345	1.83906	1.24745	0.39431	0.52873	1.30655	2.09008
44	1.12077	1.45183	1.80965	1.21719	0.38777	0.51996	1.28489	2.06954
45	1.10179	1.43142	1.78198	1.18963	0.38168	0.51179	1.26470	2.05191
46	1.08368	1.41209	1.75588	1.16460	0.37601	0.50419	1.24592	2.03688
47	1.06637	1.39370	1.73116	1.14198	0.37076	0.49714	1.22850	2.02399
48	1.04979	1.37612	1.70763	1.12165	0.36589	0.49063	1.21239	2.01272
49	1.04979	1.37612	1.70763	1.10350	0.36141	0.48462	1.19754	2.01272
50	1.04979	1.37612	1.70763	1.08743	0.35730	0.47911	1.18392	2.01272
51	1.04979	1.37612	1.70763	1.07335	0.35355	0.47407	1.17148	2.01272
52	1.04979	1.37612	1.70763	1.06120	0.35014	0.46951	1.16020	2.01272
53	1.04979	1.37612	1.70763	1.05091	0.34708	0.46539	1.15003	2.01272
54	1.04979	1.37612	1.70763	1.04243	0.34434	0.46172	1.14096	2.01272
55	1.04979	1.37612	1.70763	1.03573	0.34192	0.45848	1.13296	2.01272
56	1.09686	1.44471	1.80236	1.03075	0.33982	0.45567	1.12600	2.15632
57	1.14392	1.51331	1.89709	1.02748	0.33803	0.45327	1.12007	2.29993
58	1.19099	1.58189	1.99183	1.02591	0.33655	0.45128	1.11515	2.44354
59	1.23806	1.65049	2.08656	1.02602	0.33537	0.44969	1.11123	2.58714
60	1.28513	1.71908	2.18129	1.02782	0.33448	0.44851	1.10830	2.73075
61	1.33220	1.78767	2.27603	1.03131	0.33389	0.44772	1.10635	2.87435
62	1.37927	1.85626	2.37076	1.03651	0.33360	0.44732	1.10538	3.01796
63	1.42634	1.92485	2.46550	1.04346	0.33360	0.44732	1.10538	3.16156
64	1.47340	1.99344	2.56023	1.05217	0.33389	0.44772	1.10636	3.30517
65	1.52047	2.06203	2.65496	1.06270	0.33448	0.44851	1.10830	3.44878

El Paso 1999 Winter Time Period 1 CO Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HGGV	LDDV	LDDT	HDDV	MC
3	117.22063	144.32500	195.42569	183.31433	5.26306	5.84962	37.41069	218.33461
4	90.62111	111.62682	151.16652	167.48647	4.85051	5.39109	34.47813	174.12663
5	74.59886	91.71069	123.46744	153.36217	4.47843	4.97755	31.83342	142.21893
6	63.89732	78.33835	104.57535	140.73840	4.14243	4.60410	29.44508	118.67366
7	56.24965	68.76888	90.94701	129.43803	3.83862	4.26643	27.28554	100.94473
8	50.51619	61.60254	80.71011	119.30728	3.56357	3.96073	25.33043	87.34579
9	46.06091	56.04846	72.77760	110.21162	3.31425	3.68363	23.55826	76.73538
10	42.50108	51.62563	66.47437	102.03362	3.08800	3.43215	21.95000	68.32408
11	39.59229	48.02512	61.36005	94.67052	2.88243	3.20367	20.48877	61.55602
12	37.17130	45.03912	57.13577	88.03218	2.69545	2.99585	19.15965	56.03244
13	35.12503	42.52309	53.59207	82.03970	2.52518	2.80661	17.94942	51.46255
14	33.37250	40.37332	50.57819	76.62335	2.36998	2.63412	16.84625	47.63147
15	31.85435	38.51350	47.98322	71.72240	2.22837	2.47672	15.83968	44.37781
16	30.52603	36.88635	45.72398	67.28261	2.09905	2.33298	14.92039	41.57927
17	29.35342	35.44818	43.73712	63.25677	1.98082	2.20158	14.08005	39.14224
18	28.31015	34.16513	41.97351	59.60280	1.87267	2.08137	13.31125	36.99432
19	27.37532	33.01060	40.39496	56.28352	1.77363	1.97131	12.60732	35.07928
20	26.28931	31.87096	38.86336	53.26625	1.68291	1.87046	11.96240	33.35330
21	25.06227	30.51399	37.12888	50.52168	1.59972	1.77801	11.37113	31.78217
22	23.94492	29.27148	35.54594	48.02400	1.52343	1.69321	10.82879	30.33928
23	22.92282	28.12816	34.09406	45.75043	1.45341	1.61539	10.33109	29.00380
24	21.98413	27.07158	32.75627	43.68047	1.38914	1.54395	9.87423	27.75975
25	21.11887	26.09164	31.51880	41.79604	1.33012	1.47837	9.45476	26.59502
26	20.31874	25.18021	30.37035	40.08096	1.27594	1.41814	9.06960	25.50023
27	19.57663	24.33038	29.30150	38.52095	1.22619	1.36285	8.71598	24.46846
28	18.88654	23.53659	28.30450	37.10310	1.18053	1.31210	8.39140	23.49448
29	18.24332	22.79411	27.37277	35.81627	1.13864	1.26554	8.09364	22.57463
30	17.64250	22.09885	26.50079	34.65012	1.10024	1.22286	7.82065	21.70634
31	17.08022	21.44740	25.68394	33.59578	1.06506	1.18376	7.57064	20.88748
32	16.55312	20.83675	24.91800	32.64529	1.03289	1.14801	7.34197	20.11656
33	16.05817	20.26413	24.19951	31.79153	1.00352	1.11536	7.13319	19.39293
34	15.59276	19.72720	23.52527	31.02831	0.97676	1.08562	6.94295	18.71513
35	15.15452	19.22374	22.89247	30.35008	0.95244	1.05859	6.77010	18.08290
36	14.74135	18.75171	22.29849	29.75211	0.93042	1.03412	6.61360	17.49477
37	14.35136	18.30920	21.74112	29.23010	0.91057	1.01205	6.47246	16.95047
38	13.98285	17.89450	21.21808	28.78055	0.89276	0.99226	6.34589	16.44835
39	13.63426	17.50589	20.72723	28.40031	0.87690	0.97463	6.23312	15.98726
40	13.30416	17.14182	20.26671	28.08679	0.86288	0.95905	6.13351	15.56575
41	12.99127	16.80070	19.83464	27.83795	0.85064	0.94544	6.04648	15.18212
42	12.69436	16.48102	19.42897	27.65202	0.84010	0.93373	5.97155	14.83396
43	12.41232	16.18123	19.04802	27.52788	0.83120	0.92384	5.90829	14.51913
44	12.14409	15.89975	18.68980	27.46465	0.82389	0.91571	5.85635	14.23446
45	11.88866	15.63492	18.35252	27.46193	0.81814	0.90932	5.81545	13.97701
46	11.64501	15.38486	18.03409	27.51964	0.81390	0.90461	5.78534	13.74305
47	11.41219	15.14764	17.73235	27.63824	0.81116	0.90157	5.76587	13.52799
48	11.18924	14.92105	17.44508	27.81850	0.80991	0.90017	5.75694	13.32729
49	11.18924	14.92105	17.44508	28.06154	0.81013	0.90041	5.75850	13.32729
50	11.18924	14.92105	17.44508	28.36909	0.81182	0.90230	5.77055	13.32729
51	11.18924	14.92105	17.44508	28.74315	0.81500	0.90583	5.79315	13.32729
52	11.18924	14.92105	17.44508	29.18631	0.81969	0.91104	5.82644	13.32729
53	11.18924	14.92105	17.44508	29.70157	0.82590	0.91794	5.87060	13.32729
54	11.18924	14.92105	17.44508	30.29251	0.83367	0.92658	5.92587	13.32729
55	11.18924	14.92105	17.44508	30.96317	0.84305	0.93701	5.99255	13.32729
56	12.61373	17.16251	20.26183	31.71848	0.85409	0.94928	6.07102	16.53688
57	14.03823	19.40399	23.07860	32.56374	0.86685	0.96346	6.16173	19.74646
58	15.46273	21.64548	25.89534	33.50510	0.88141	0.97964	6.26518	22.95604
59	16.88718	23.88695	28.71214	34.54976	0.89784	0.99790	6.38197	26.16563
60	18.31169	26.12843	31.52896	35.70532	0.91624	1.01836	6.51278	29.37520
61	19.73618	28.36992	34.34569	36.98082	0.93673	1.04112	6.65839	32.58481
62	21.16069	30.61140	37.16252	38.38628	0.95941	1.06634	6.81964	35.79437
63	22.58516	32.85294	39.97931	39.93289	0.98444	1.09415	6.99752	39.00400
64	24.00967	35.09439	42.79605	41.63330	1.01196	1.12474	7.19313	42.21359
65	25.43416	37.33591	45.61284	43.50160	1.04214	1.15828	7.40768	45.42317

El Paso 1999 Winter Time Period 1 NOx Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	2.68888	2.86847	3.30432	4.31730	2.60223	2.88516	21.40353	1.11001
4	2.46647	2.63308	3.05976	4.36197	2.49263	2.76365	20.50208	1.06171
5	2.33208	2.49110	2.91355	4.40665	2.39104	2.65101	19.66647	1.02163
6	2.24185	2.39617	2.81684	4.45133	2.29685	2.54658	18.89177	0.98913
7	2.17696	2.32839	2.74863	4.49600	2.20950	2.44974	18.17336	0.96362
8	2.12799	2.27778	2.69839	4.54068	2.12850	2.35993	17.50711	0.94450
9	2.08969	2.23876	2.66027	4.58535	2.05338	2.27664	16.88924	0.93122
10	2.05893	2.20797	2.63071	4.63003	1.98373	2.19941	16.31633	0.92322
11	2.03368	2.18326	2.60743	4.67470	1.91916	2.12783	15.78526	0.91999
12	2.01261	2.16315	2.58890	4.71938	1.85933	2.06149	15.29318	0.92104
13	1.99478	2.14665	2.57405	4.76406	1.80393	2.00006	14.83748	0.92589
14	1.97951	2.13300	2.56210	4.80873	1.75267	1.94323	14.41583	0.93408
15	1.96632	2.12165	2.55246	4.85341	1.70528	1.89069	14.02606	0.94518
16	1.95482	2.11218	2.54470	4.89808	1.66153	1.84218	13.66622	0.95879
17	1.94474	2.10426	2.53847	4.94276	1.62120	1.79747	13.33453	0.97452
18	1.93584	2.09762	2.53349	4.98744	1.58410	1.75634	13.02938	0.99200
19	1.92795	2.09205	2.52955	5.03211	1.55005	1.71859	12.74930	1.01089
20	1.92979	2.08948	2.52808	5.07679	1.51889	1.68403	12.49298	1.03087
21	1.94118	2.10271	2.54312	5.12146	1.49046	1.65252	12.25920	1.05164
22	1.95161	2.11500	2.55716	5.16613	1.46465	1.62390	12.04689	1.07293
23	1.96121	2.12647	2.57031	5.21081	1.44133	1.59804	11.85509	1.09449
24	1.97007	2.13719	2.58264	5.25548	1.42040	1.57483	11.68291	1.11607
25	1.97830	2.14724	2.59425	5.30016	1.40176	1.55417	11.52959	1.13747
26	1.98596	2.15666	2.60518	5.34484	1.38533	1.53595	11.39446	1.15851
27	1.99313	2.16551	2.61550	5.38951	1.37104	1.52011	11.27691	1.17901
28	1.99985	2.17384	2.62526	5.43419	1.35882	1.50656	11.17643	1.19884
29	2.00618	2.18167	2.63449	5.47887	1.34863	1.49526	11.09259	1.21786
30	2.01215	2.18904	2.64325	5.52354	1.34041	1.48615	11.02502	1.23599
31	2.01780	2.19599	2.65158	5.56822	1.33414	1.47920	10.97343	1.25315
32	2.02317	2.20253	2.65950	5.61289	1.32979	1.47437	10.93761	1.26928
33	2.02829	2.20871	2.66707	5.65757	1.32733	1.47164	10.91739	1.28435
34	2.03318	2.21455	2.67432	5.70225	1.32676	1.47101	10.91269	1.29834
35	2.03787	2.22007	2.68128	5.74692	1.32807	1.47247	10.92351	1.31127
36	2.04238	2.22530	2.68801	5.79160	1.33127	1.47602	10.94986	1.32318
37	2.04673	2.23028	2.69452	5.83627	1.33638	1.48168	10.99189	1.33411
38	2.05094	2.23501	2.70088	5.88095	1.34342	1.48948	11.04974	1.34415
39	2.05503	2.23955	2.70713	5.92562	1.35241	1.49945	11.12368	1.35339
40	2.05902	2.24392	2.71330	5.97030	1.36339	1.51163	11.21404	1.36196
41	2.06294	2.24814	2.71945	6.01497	1.37642	1.52608	11.32119	1.37000
42	2.06678	2.25226	2.72562	6.05965	1.39155	1.54285	11.44561	1.37768
43	2.07059	2.25630	2.73187	6.10433	1.40884	1.56202	11.58785	1.38518
44	2.07435	2.26031	2.73825	6.14900	1.42837	1.58368	11.74851	1.39272
45	2.07811	2.26432	2.74481	6.19368	1.45024	1.60792	11.92834	1.40053
46	2.08187	2.26838	2.75163	6.23835	1.47453	1.63485	12.12812	1.40887
47	2.08566	2.27252	2.75874	6.28303	1.50136	1.66459	12.34878	1.41800
48	2.08949	2.27678	2.76623	6.32771	1.53084	1.69728	12.59131	1.42823
49	2.16417	2.36725	2.87910	6.37238	1.56312	1.73308	12.85686	1.47474
50	2.23884	2.45772	2.99198	6.41706	1.59836	1.77214	13.14665	1.52124
51	2.31351	2.54820	3.10487	6.46174	1.63671	1.81466	13.46207	1.56775
52	2.38819	2.63867	3.21775	6.50641	1.67836	1.86084	13.80468	1.61425
53	2.46286	2.72914	3.33063	6.55109	1.72352	1.91091	14.17609	1.66076
54	2.53753	2.81961	3.44351	6.59576	1.77240	1.96511	14.57819	1.70727
55	2.61221	2.91008	3.55639	6.64044	1.82527	2.02373	15.01302	1.75377
56	2.68688	3.00055	3.66927	6.68511	1.88238	2.08705	15.48275	1.80028
57	2.76156	3.09102	3.78216	6.72979	1.94404	2.15541	15.98991	1.84679
58	2.83624	3.18149	3.89503	6.77446	2.01057	2.22917	16.53709	1.89329
59	2.91091	3.27197	4.00792	6.81914	2.08233	2.30874	17.12735	1.93980
60	2.98558	3.36244	4.12080	6.86381	2.15971	2.39454	17.76387	1.98631
61	3.06026	3.45291	4.23368	6.90849	2.24317	2.48706	18.45021	2.03281
62	3.13493	3.54338	4.34656	6.95316	2.33315	2.58682	19.19029	2.07932
63	3.20961	3.63385	4.45944	6.99784	2.43019	2.69441	19.98846	2.12582
64	3.28428	3.72432	4.57232	7.04252	2.53486	2.81047	20.84943	2.17233
65	3.35896	3.81479	4.68520	7.08720	2.64780	2.93569	21.77834	2.21884

El Paso 1999 Winter Time Period 2 VOC Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HdGV	LDDV	LDDT	HDDV	MC
3	13.19899	13.44658	19.82297	21.67047	1.58374	2.12362	5.24770	14.51358
4	9.58595	9.76824	14.30461	16.71100	1.50361	2.01617	4.98219	12.06850
5	7.58287	7.72311	11.20407	13.91921	1.42879	1.91585	4.73428	10.25756
6	6.31617	6.42735	9.22599	12.05122	1.35889	1.82212	4.50267	8.89067
7	5.44531	5.53618	7.86142	10.66654	1.29355	1.73450	4.28616	7.84111
8	4.91605	4.96015	6.97616	9.75890	1.23243	1.65255	4.08364	7.02252
9	4.50192	4.51501	6.29531	8.98213	1.17523	1.57586	3.89413	6.37490
10	4.15787	4.15458	5.74839	8.29033	1.12168	1.50405	3.71668	5.85572
11	3.86481	3.85591	5.29949	7.66972	1.07151	1.43678	3.55043	5.43432
12	3.60999	3.60354	4.92416	7.10978	1.02448	1.37372	3.39461	5.08822
13	3.38457	3.38670	4.60521	6.60219	0.98038	1.31459	3.24849	4.80071
14	3.18221	3.19764	4.33024	6.14019	0.93901	1.25911	3.11139	4.55914
15	2.99828	3.03065	4.09009	5.71817	0.90017	1.20703	2.98270	4.35387
16	2.82928	2.88147	3.87789	5.33144	0.86370	1.15813	2.86185	4.17744
17	2.67255	2.74681	3.68835	4.97597	0.82943	1.11218	2.74832	4.02402
18	2.52603	2.62415	3.51743	4.64830	0.79723	1.06900	2.64161	3.88902
19	2.38806	2.51147	3.36192	4.34546	0.76695	1.02840	2.54129	3.76883
20	2.26656	2.41315	3.22365	4.08331	0.73847	0.99021	2.44692	3.66058
21	2.17817	2.32325	3.09565	3.86883	0.71168	0.95428	2.35813	3.56199
22	2.09711	2.24094	2.97853	3.67228	0.68646	0.92047	2.27457	3.47127
23	2.02241	2.16523	2.87080	3.49190	0.66271	0.88863	2.19590	3.38700
24	1.95329	2.09529	2.77125	3.32611	0.64036	0.85865	2.12181	3.30809
25	1.88908	2.03044	2.67890	3.17354	0.61930	0.83041	2.05203	3.23371
26	1.82921	1.97013	2.59293	3.03294	0.59946	0.80381	1.98629	3.16323
27	1.77322	1.91388	2.51269	2.90322	0.58076	0.77874	1.92436	3.09620
28	1.72070	1.86132	2.43762	2.78339	0.56315	0.75512	1.86599	3.03229
29	1.67130	1.81212	2.36727	2.67259	0.54655	0.73286	1.81099	2.97134
30	1.62472	1.76598	2.30126	2.57001	0.53091	0.71189	1.75915	2.91319
31	1.58071	1.72269	2.23925	2.47496	0.51616	0.69212	1.71030	2.85782
32	1.53903	1.68201	2.18098	2.38680	0.50227	0.67350	1.66428	2.80521
33	1.49949	1.64377	2.12620	2.30497	0.48919	0.65595	1.62092	2.75543
34	1.46191	1.60780	2.07470	2.22894	0.47686	0.63942	1.58007	2.70849
35	1.42612	1.57395	2.02627	2.15826	0.46525	0.62386	1.54162	2.66449
36	1.39199	1.54209	1.98073	2.09252	0.45433	0.60921	1.50542	2.62347
37	1.35940	1.51207	1.93793	2.03132	0.44405	0.59543	1.47137	2.58548
38	1.32822	1.48380	1.89771	1.97435	0.43439	0.58247	1.43935	2.55055
39	1.29836	1.45715	1.85991	1.92128	0.42531	0.57030	1.40927	2.51873
40	1.26971	1.43203	1.82439	1.87185	0.41679	0.55887	1.38103	2.48996
41	1.24220	1.40833	1.79102	1.82580	0.40880	0.54816	1.35455	2.46427
42	1.21574	1.38595	1.75965	1.78290	0.40131	0.53812	1.32975	2.44153
43	1.19026	1.36480	1.73013	1.74296	0.39431	0.52873	1.30655	2.42159
44	1.16568	1.34478	1.70233	1.70578	0.38777	0.51996	1.28489	2.40435
45	1.14195	1.32578	1.67609	1.67122	0.38168	0.51179	1.26470	2.38956
46	1.11900	1.30773	1.65125	1.63910	0.37601	0.50419	1.24592	2.37695
47	1.09677	1.29048	1.62766	1.60930	0.37076	0.49714	1.22850	2.36613
48	1.07568	1.27387	1.60494	1.58178	0.36589	0.49063	1.21239	2.35667
49	1.07251	1.27038	1.59929	1.55723	0.36141	0.48462	1.19754	2.35667
50	1.06952	1.26710	1.59397	1.53503	0.35730	0.47911	1.18392	2.35667
51	1.06671	1.26401	1.58896	1.51504	0.35355	0.47407	1.17148	2.35667
52	1.06405	1.26109	1.58423	1.49718	0.35014	0.46951	1.16020	2.35667
53	1.06155	1.25834	1.57977	1.48135	0.34708	0.46539	1.15003	2.35667
54	1.05917	1.25573	1.57555	1.46749	0.34434	0.46172	1.14096	2.35667
55	1.05693	1.25326	1.57156	1.45552	0.34192	0.45848	1.13296	2.35667
56	1.09224	1.30372	1.64299	1.44540	0.33982	0.45567	1.12600	2.47718
57	1.12765	1.35431	1.71463	1.43707	0.33803	0.45327	1.12007	2.59768
58	1.16317	1.40500	1.78644	1.43051	0.33655	0.45128	1.11515	2.71818
59	1.19879	1.45580	1.85843	1.42569	0.33537	0.44969	1.11123	2.83869
60	1.23449	1.50670	1.93057	1.42259	0.33448	0.44851	1.10830	2.95919
61	1.27028	1.55768	2.00287	1.42121	0.33389	0.44772	1.10635	3.07970
62	1.30615	1.60876	2.07530	1.42153	0.33360	0.44732	1.10538	3.20020
63	1.34208	1.65991	2.14787	1.42359	0.33360	0.44732	1.10538	3.32070
64	1.37809	1.71114	2.22055	1.42739	0.33389	0.44772	1.10636	3.44121
65	1.41416	1.76244	2.29335	1.43295	0.33448	0.44851	1.10830	3.56171

El Paso 1999 Winter Time Period 2 CO Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	106.42792	127.44464	170.98697	177.36943	5.26306	5.84962	37.41069	175.20731
4	82.27844	98.52223	132.26646	162.05489	4.85051	5.39109	34.47813	139.73164
5	67.74013	80.94006	108.10760	148.38863	4.47843	4.97755	31.83342	114.12666
6	58.03235	69.14546	91.65659	136.17424	4.14243	4.60410	29.44508	95.23218
7	51.09532	60.70711	79.79726	125.24034	3.83862	4.26643	27.28554	81.00528
8	45.89430	54.38661	70.89009	115.43811	3.56357	3.96073	25.33043	70.09251
9	41.85231	49.48587	63.98618	106.63744	3.31425	3.68363	23.55826	61.57796
10	38.62210	45.58101	58.49776	98.72461	3.08800	3.43215	21.95000	54.82809
11	35.98212	42.40007	54.04198	91.60031	2.88243	3.20367	20.48877	49.39693
12	33.78450	39.76041	50.35931	85.17734	2.69545	2.99585	19.15965	44.96440
13	31.92676	37.53505	47.26807	79.37912	2.52518	2.80661	17.94942	41.29723
14	30.33546	35.63280	44.63754	74.13846	2.36998	2.63412	16.84625	38.22282
15	28.95691	33.98677	42.37155	69.39641	2.22837	2.47672	15.83968	35.61192
16	27.75073	32.54662	40.39807	65.10056	2.09905	2.33298	14.92039	33.36621
17	26.68604	31.27403	38.66202	61.20537	1.98082	2.20158	14.08005	31.41055
18	25.73885	30.13921	37.12091	57.66985	1.87267	2.08137	13.31125	29.68690
19	24.89032	29.11887	35.74153	54.45822	1.77363	1.97131	12.60732	28.15012
20	23.90622	28.11807	34.40016	51.53882	1.68291	1.87046	11.96240	26.76508
21	22.79639	26.92450	32.87038	48.88321	1.59972	1.77801	11.37113	25.50426
22	21.78607	25.83260	31.47479	46.46661	1.52343	1.69321	10.82879	24.34639
23	20.86211	24.82880	30.19513	44.26675	1.45341	1.61539	10.33109	23.27472
24	20.01376	23.90205	29.01656	42.26389	1.38914	1.54395	9.87423	22.27640
25	19.23203	23.04349	27.92682	40.44058	1.33012	1.47837	9.45476	21.34177
26	18.50925	22.24557	26.91591	38.78114	1.27594	1.41814	9.06960	20.46324
27	17.83905	21.50224	25.97548	37.27170	1.22619	1.36285	8.71598	19.63525
28	17.21597	20.80844	25.09854	35.89983	1.18053	1.31210	8.39140	18.85365
29	16.63531	20.15981	24.27930	34.65469	1.13864	1.26554	8.09364	18.11551
30	16.09299	19.55269	23.51273	33.52643	1.10024	1.22286	7.82065	17.41873
31	15.58549	18.98395	22.79469	32.50626	1.06506	1.18376	7.57064	16.76161
32	15.10970	18.45078	22.12143	31.58658	1.03289	1.14801	7.34197	16.14297
33	14.66292	17.95071	21.48981	30.76054	1.00352	1.11536	7.13319	15.56230
34	14.24274	17.48161	20.89693	30.02208	0.97676	1.08562	6.94295	15.01839
35	13.84704	17.04149	20.34029	29.36584	0.95244	1.05859	6.77010	14.51104
36	13.47388	16.62846	19.81758	28.78722	0.93042	1.03412	6.61360	14.03907
37	13.12155	16.24086	19.32674	28.28220	0.91057	1.01205	6.47246	13.60229
38	12.78850	15.87714	18.86580	27.84723	0.89276	0.99226	6.34589	13.19934
39	12.47333	15.53577	18.43286	27.47929	0.87690	0.97463	6.23312	12.82932
40	12.17474	15.21539	18.02625	27.17593	0.86288	0.95905	6.13351	12.49107
41	11.89157	14.91465	17.64427	26.93513	0.85064	0.94544	6.04648	12.18321
42	11.62274	14.63222	17.28523	26.75528	0.84010	0.93373	5.97155	11.90383
43	11.36723	14.36678	16.94766	26.63516	0.83120	0.92384	5.90829	11.65119
44	11.12410	14.11703	16.62981	26.57393	0.82389	0.91571	5.85635	11.42275
45	10.89246	13.88156	16.33015	26.57133	0.81814	0.90932	5.81545	11.21615
46	10.67142	13.65884	16.04691	26.62717	0.81390	0.90461	5.78534	11.02841
47	10.46014	13.44729	15.77823	26.74193	0.81116	0.90157	5.76587	10.85582
48	10.25780	13.24513	15.52232	26.91629	0.80991	0.90017	5.75694	10.69477
49	10.25780	13.24513	15.52232	27.15150	0.81013	0.90041	5.75850	10.69477
50	10.25780	13.24513	15.52232	27.44905	0.81182	0.90230	5.77055	10.69477
51	10.25780	13.24513	15.52232	27.81102	0.81500	0.90583	5.79315	10.69477
52	10.25780	13.24513	15.52232	28.23978	0.81969	0.91104	5.82644	10.69477
53	10.25780	13.24513	15.52232	28.73830	0.82590	0.91794	5.87060	10.69477
54	10.25780	13.24513	15.52232	29.31010	0.83367	0.92658	5.92587	10.69477
55	10.25780	13.24513	15.52232	29.95906	0.84305	0.93701	5.99255	10.69477
56	11.55003	15.21476	17.98546	30.68987	0.85409	0.94928	6.07102	13.27038
57	12.84226	17.18437	20.44862	31.50769	0.86685	0.96346	6.16173	15.84599
58	14.13449	19.15399	22.91177	32.41859	0.88141	0.97964	6.26518	18.42159
59	15.42672	21.12363	25.37495	33.42928	0.89784	0.99790	6.38197	20.99721
60	16.71893	23.09326	27.83813	34.54741	0.91624	1.01836	6.51278	23.57278
61	18.01115	25.06285	30.30130	35.78154	0.93673	1.04112	6.65839	26.14838
62	19.30336	27.03252	32.76448	37.14137	0.95941	1.06634	6.81964	28.72397
63	20.59560	29.00217	35.22768	38.63785	0.98444	1.09415	6.99752	31.29961
64	21.88780	30.97177	37.69083	40.28314	1.01196	1.12474	7.19313	33.87521
65	23.18001	32.94142	40.15404	42.09081	1.04214	1.15828	7.40768	36.45078

El Paso 1999 Winter Time Period 2 NOx Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	2.37935	2.53159	2.94109	4.01991	2.60223	2.88516	21.40353	1.00083
4	2.18261	2.32453	2.72609	4.06151	2.49263	2.76365	20.50208	0.95728
5	2.06375	2.19962	2.59775	4.10311	2.39104	2.65101	19.66647	0.92114
6	1.98395	2.11612	2.51302	4.14471	2.29685	2.54658	18.89177	0.89184
7	1.92657	2.05654	2.45344	4.18631	2.20950	2.44974	18.17336	0.86884
8	1.88328	2.01210	2.40972	4.22791	2.12850	2.35993	17.50711	0.85160
9	1.84945	1.97789	2.37669	4.26950	2.05338	2.27664	16.88924	0.83962
10	1.82229	1.95097	2.35123	4.31110	1.98373	2.19941	16.31633	0.83241
11	1.80001	1.92941	2.33131	4.35270	1.91916	2.12783	15.78526	0.82950
12	1.78144	1.91196	2.31561	4.39430	1.85933	2.06149	15.29318	0.83045
13	1.76573	1.89769	2.30315	4.43590	1.80393	2.00006	14.83748	0.83482
14	1.75230	1.88596	2.29325	4.47750	1.75267	1.94323	14.41583	0.84220
15	1.74071	1.87627	2.28539	4.51909	1.70528	1.89069	14.02606	0.85221
16	1.73062	1.86825	2.27918	4.56069	1.66153	1.84218	13.66622	0.86448
17	1.72178	1.86160	2.27432	4.60229	1.62120	1.79747	13.33453	0.87866
18	1.71399	1.85610	2.27055	4.64389	1.58410	1.75634	13.02938	0.89442
19	1.70709	1.85154	2.26769	4.68549	1.55005	1.71859	12.74930	0.91146
20	1.70881	1.84954	2.26691	4.72709	1.51889	1.68403	12.49298	0.92947
21	1.71892	1.86137	2.28061	4.76868	1.49046	1.65252	12.25920	0.94820
22	1.72818	1.87240	2.29341	4.81028	1.46465	1.62390	12.04689	0.96740
23	1.73671	1.88270	2.30542	4.85188	1.44133	1.59804	11.85509	0.98683
24	1.74460	1.89234	2.31671	4.89348	1.42040	1.57483	11.68291	1.00629
25	1.75192	1.90139	2.32734	4.93508	1.40176	1.55417	11.52959	1.02559
26	1.75874	1.90989	2.33737	4.97667	1.38533	1.53595	11.39446	1.04456
27	1.76511	1.91788	2.34684	5.01827	1.37104	1.52011	11.27691	1.06304
28	1.77110	1.92541	2.35580	5.05987	1.35882	1.50656	11.17643	1.08092
29	1.77673	1.93248	2.36428	5.10147	1.34863	1.49526	11.09259	1.09807
30	1.78204	1.93915	2.37232	5.14307	1.34041	1.48615	11.02502	1.11442
31	1.78708	1.94543	2.37996	5.18467	1.33414	1.47920	10.97343	1.12989
32	1.79185	1.95135	2.38724	5.22626	1.32979	1.47437	10.93761	1.14444
33	1.79641	1.95693	2.39418	5.26786	1.32733	1.47164	10.91739	1.15802
34	1.80075	1.96220	2.40083	5.30946	1.32676	1.47101	10.91269	1.17064
35	1.80492	1.96718	2.40721	5.35106	1.32807	1.47247	10.92351	1.18230
36	1.80892	1.97190	2.41337	5.39266	1.33127	1.47602	10.94986	1.19303
37	1.81278	1.97637	2.41934	5.43426	1.33638	1.48168	10.99189	1.20289
38	1.81652	1.98064	2.42517	5.47586	1.34342	1.48948	11.04974	1.21194
39	1.82015	1.98472	2.43088	5.51745	1.35241	1.49945	11.12368	1.22027
40	1.82368	1.98864	2.43654	5.55905	1.36339	1.51163	11.21404	1.22800
41	1.82715	1.99243	2.44217	5.60065	1.37642	1.52608	11.32119	1.23525
42	1.83055	1.99613	2.44783	5.64225	1.39155	1.54285	11.44561	1.24217
43	1.83392	1.99977	2.45357	5.68384	1.40884	1.56202	11.58785	1.24893
44	1.83726	2.00338	2.45944	5.72545	1.42837	1.58368	11.74851	1.25573
45	1.84059	2.00699	2.46548	5.76704	1.45024	1.60792	11.92834	1.26278
46	1.84392	2.01066	2.47177	5.80864	1.47453	1.63485	12.12812	1.27029
47	1.84728	2.01441	2.47836	5.85024	1.50136	1.66459	12.34878	1.27852
48	1.85067	2.01830	2.48530	5.89184	1.53084	1.69728	12.59131	1.28775
49	1.91656	2.09829	2.58674	5.93344	1.56312	1.73308	12.85686	1.32968
50	1.98244	2.17828	2.68818	5.97504	1.59836	1.77214	13.14665	1.37161
51	2.04832	2.25827	2.78962	6.01664	1.63671	1.81466	13.46207	1.41354
52	2.11421	2.33827	2.89106	6.05823	1.67836	1.86084	13.80468	1.45548
53	2.18009	2.41826	2.99250	6.09983	1.72352	1.91091	14.17609	1.49741
54	2.24597	2.49825	3.09395	6.14143	1.77240	1.96511	14.57819	1.53934
55	2.31186	2.57825	3.19538	6.18303	1.82527	2.02373	15.01302	1.58127
56	2.37774	2.65823	3.29683	6.22462	1.88238	2.08705	15.48275	1.62320
57	2.44362	2.73823	3.39827	6.26623	1.94404	2.15541	15.98991	1.66514
58	2.50951	2.81822	3.49971	6.30782	2.01057	2.22917	16.53709	1.70707
59	2.57539	2.89821	3.60115	6.34942	2.08233	2.30874	17.12735	1.74900
60	2.64128	2.97821	3.70259	6.39102	2.15971	2.39454	17.76387	1.79093
61	2.70716	3.05820	3.80403	6.43262	2.24317	2.48706	18.45021	1.83286
62	2.77304	3.13820	3.90547	6.47422	2.33315	2.58682	19.19029	1.87479
63	2.83893	3.21819	4.00691	6.51582	2.43019	2.69441	19.98846	1.91673
64	2.90481	3.29818	4.10835	6.55741	2.53486	2.81047	20.84943	1.95866
65	2.97069	3.37817	4.20979	6.59901	2.64780	2.93569	21.77834	2.00059

El Paso 1999 Winter Time Period 3 VOC Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HdGV	LDDV	LDDT	HDDV	MC
3	12.74832	13.17164	19.40089	20.75343	1.58374	2.12362	5.24770	14.62819
4	9.29871	9.62072	14.08612	16.17834	1.50361	2.01617	4.98219	12.15429
5	7.37674	7.63293	11.07577	13.56706	1.42879	1.91585	4.73428	10.32200
6	6.15705	6.36746	9.14450	11.79781	1.35889	1.82212	4.50267	8.93899
7	5.31633	5.49405	7.80690	10.47266	1.29355	1.73450	4.28616	7.87705
8	4.79738	4.92209	6.92774	9.58497	1.23243	1.65255	4.08364	7.04881
9	4.39152	4.47985	6.25093	8.82206	1.17523	1.57586	3.89413	6.39355
10	4.05536	4.12223	5.70771	8.14185	1.12168	1.50405	3.71668	5.86825
11	3.76993	3.82630	5.26227	7.53125	1.07151	1.43678	3.55043	5.44188
12	3.52254	3.57663	4.89022	6.98019	1.02448	1.37372	3.39461	5.09170
13	3.30439	3.36245	4.57442	6.48068	0.98038	1.31459	3.24849	4.80080
14	3.10918	3.17601	4.30247	6.02616	0.93901	1.25911	3.11139	4.55638
15	2.93230	3.01163	4.06526	5.61118	0.90017	1.20703	2.98270	4.34869
16	2.77027	2.86502	3.85589	5.23115	0.86370	1.15813	2.86185	4.17018
17	2.62044	2.73292	3.66914	4.88212	0.82943	1.11218	2.74832	4.01495
18	2.48075	2.61278	3.50093	4.56069	0.79723	1.06900	2.64161	3.87836
19	2.34958	2.50262	3.34808	4.26393	0.76695	1.02840	2.54129	3.75675
20	2.23242	2.40585	3.21154	4.00591	0.73847	0.99021	2.44692	3.64722
21	2.14483	2.31596	3.08380	3.79270	0.71168	0.95428	2.35813	3.54747
22	2.06455	2.23367	2.96691	3.59734	0.68646	0.92047	2.27457	3.45568
23	1.99062	2.15796	2.85941	3.41809	0.66271	0.88863	2.19590	3.37042
24	1.92226	2.08803	2.76006	3.25338	0.64036	0.85865	2.12181	3.29058
25	1.85879	2.02319	2.66789	3.10184	0.61930	0.83041	2.05203	3.21532
26	1.79967	1.96289	2.58209	2.96225	0.59946	0.80381	1.98629	3.14401
27	1.74441	1.90666	2.50200	2.83351	0.58076	0.77874	1.92436	3.07618
28	1.69261	1.85411	2.42708	2.71464	0.56315	0.75512	1.86599	3.01153
29	1.64393	1.80492	2.35687	2.60477	0.54655	0.73286	1.81099	2.94985
30	1.59807	1.75881	2.29099	2.50311	0.53091	0.71189	1.75915	2.89102
31	1.55477	1.71554	2.22911	2.40896	0.51616	0.69212	1.71030	2.83500
32	1.51380	1.67489	2.17097	2.32169	0.50227	0.67350	1.66428	2.78177
33	1.47496	1.63668	2.11631	2.24074	0.48919	0.65595	1.62092	2.73140
34	1.43808	1.60075	2.06492	2.16558	0.47686	0.63942	1.58007	2.68391
35	1.40299	1.56695	2.01661	2.09576	0.46525	0.62386	1.54162	2.63939
36	1.36956	1.53513	1.97121	2.03087	0.45433	0.60921	1.50542	2.59789
37	1.33766	1.50517	1.92853	1.97053	0.44405	0.59543	1.47137	2.55944
38	1.30718	1.47696	1.88844	1.91439	0.43439	0.58247	1.43935	2.52411
39	1.27801	1.45039	1.85077	1.86216	0.42531	0.57030	1.40927	2.49191
40	1.25006	1.42534	1.81539	1.81356	0.41679	0.55887	1.38103	2.46281
41	1.22324	1.40172	1.78216	1.76834	0.40880	0.54816	1.35455	2.43681
42	1.19747	1.37943	1.75093	1.72627	0.40131	0.53812	1.32975	2.41380
43	1.17268	1.35837	1.72155	1.68714	0.39431	0.52873	1.30655	2.39362
44	1.14879	1.33844	1.69390	1.65079	0.38777	0.51996	1.28489	2.37618
45	1.12574	1.31955	1.66781	1.61704	0.38168	0.51179	1.26470	2.36122
46	1.10348	1.30160	1.64313	1.58573	0.37601	0.50419	1.24592	2.34846
47	1.08193	1.28446	1.61969	1.55674	0.37076	0.49714	1.22850	2.33751
48	1.06148	1.26796	1.59714	1.53003	0.36589	0.49063	1.21239	2.32794
49	1.05862	1.26482	1.59204	1.50620	0.36141	0.48462	1.19754	2.32794
50	1.05593	1.26186	1.58725	1.48466	0.35730	0.47911	1.18392	2.32794
51	1.05340	1.25907	1.58274	1.46532	0.35355	0.47407	1.17148	2.32794
52	1.05100	1.25644	1.57848	1.44808	0.35014	0.46951	1.16020	2.32794
53	1.04874	1.25395	1.57446	1.43285	0.34708	0.46539	1.15003	2.32794
54	1.04660	1.25160	1.57065	1.41956	0.34434	0.46172	1.14096	2.32794
55	1.04458	1.24938	1.56706	1.40814	0.34192	0.45848	1.13296	2.32794
56	1.08050	1.30084	1.63987	1.39855	0.33982	0.45567	1.12600	2.44987
57	1.11653	1.35242	1.71286	1.39074	0.33803	0.45327	1.12007	2.57179
58	1.15265	1.40409	1.78601	1.38468	0.33655	0.45128	1.11515	2.69372
59	1.18885	1.45586	1.85931	1.38035	0.33537	0.44969	1.11123	2.81564
60	1.22513	1.50771	1.93276	1.37773	0.33448	0.44851	1.10830	2.93756
61	1.26149	1.55965	2.00635	1.37681	0.33389	0.44772	1.10635	3.05949
62	1.29791	1.61167	2.08006	1.37760	0.33360	0.44732	1.10538	3.18141
63	1.33441	1.66376	2.15388	1.38011	0.33360	0.44732	1.10538	3.30334
64	1.37096	1.71592	2.22782	1.38435	0.33389	0.44772	1.10636	3.42526
65	1.40757	1.76814	2.30186	1.39037	0.33448	0.44851	1.10830	3.54719

El Paso 1999 Winter Time Period 3 CO Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	106.46307	127.85492	171.82547	177.37273	5.26306	5.84962	37.41069	177.96858
4	82.30525	98.84265	132.91476	162.05786	4.85051	5.39109	34.47813	141.93385
5	67.76108	81.20268	108.62781	148.39134	4.47843	4.97755	31.83342	115.92531
6	58.04919	69.36823	92.08617	136.17671	4.14243	4.60410	29.44508	96.73306
7	51.10918	60.90115	80.16040	125.24269	3.83862	4.26643	27.28554	82.28194
8	45.90594	54.55939	71.20328	115.44025	3.56357	3.96073	25.33043	71.19717
9	41.86223	49.64220	64.26085	106.63940	3.31425	3.68363	23.55826	62.54842
10	38.63071	45.72456	58.74214	98.72647	3.08800	3.43215	21.95000	55.69220
11	35.98976	42.53337	54.26212	91.60208	2.88243	3.20367	20.48877	50.17548
12	33.79138	39.88539	50.55965	85.17888	2.69545	2.99585	19.15965	45.67305
13	31.93295	37.65306	47.45212	79.38062	2.52518	2.80661	17.94942	41.94806
14	30.34114	35.74504	44.80783	74.13980	2.36998	2.63412	16.84625	38.82524
15	28.96214	34.09389	42.53020	69.39772	2.22837	2.47672	15.83968	36.17314
16	27.75555	32.64940	40.54662	65.10179	2.09905	2.33298	14.92039	33.89204
17	26.69051	31.37291	38.80179	61.20648	1.98082	2.20158	14.08005	31.90556
18	25.74297	30.23456	37.25288	57.67091	1.87267	2.08137	13.31125	30.15477
19	24.89417	29.21094	35.86653	54.45926	1.77363	1.97131	12.60732	28.59378
20	23.90955	28.20656	34.51897	51.53973	1.68291	1.87046	11.96240	27.18690
21	22.79907	27.00908	32.98351	48.88412	1.59972	1.77801	11.37113	25.90622
22	21.78807	25.91351	31.58272	46.46742	1.52343	1.69321	10.82879	24.73012
23	20.86351	24.90623	30.29822	44.26759	1.45341	1.61539	10.33109	23.64153
24	20.01457	23.97626	29.11510	42.26469	1.38914	1.54395	9.87423	22.62750
25	19.23224	23.11452	28.02113	40.44136	1.33012	1.47837	9.45476	21.67813
26	18.50893	22.31361	27.00621	38.78186	1.27594	1.41814	9.06960	20.78574
27	17.83821	21.56749	26.06207	37.27240	1.22619	1.36285	8.71598	19.94470
28	17.21468	20.87097	25.18153	35.90047	1.18053	1.31210	8.39140	19.15079
29	16.63351	20.21979	24.35895	34.65536	1.13864	1.26554	8.09364	18.40102
30	16.09076	19.61021	23.58923	33.52701	1.10024	1.22286	7.82065	17.69327
31	15.58284	19.03923	22.86819	32.50687	1.06506	1.18376	7.57064	17.02579
32	15.10666	18.50392	22.19217	31.58717	1.03289	1.14801	7.34197	16.39740
33	14.65951	18.00189	21.55797	30.76114	1.00352	1.11536	7.13319	15.80756
34	14.23900	17.53096	20.96268	30.02261	0.97676	1.08562	6.94295	15.25508
35	13.84298	17.08911	20.40378	29.36639	0.95244	1.05859	6.77010	14.73973
36	13.46954	16.67451	19.87900	28.78777	0.93042	1.03412	6.61360	14.26032
37	13.11695	16.28548	19.38628	28.28271	0.91057	1.01205	6.47246	13.81666
38	12.78368	15.92047	18.92354	27.84772	0.89276	0.99226	6.34589	13.40736
39	12.46829	15.57794	18.48901	27.47978	0.87690	0.97463	6.23312	13.03151
40	12.16952	15.25653	18.08096	27.17644	0.86288	0.95905	6.13351	12.68793
41	11.88620	14.95487	17.69768	26.93565	0.85064	0.94544	6.04648	12.37522
42	11.61722	14.67164	17.33751	26.75575	0.84010	0.93373	5.97155	12.09143
43	11.36160	14.40550	16.99887	26.63567	0.83120	0.92384	5.90829	11.83481
44	11.11837	14.15515	16.68008	26.57448	0.82389	0.91571	5.85635	11.60277
45	10.88664	13.91915	16.37961	26.57184	0.81814	0.90932	5.81545	11.39292
46	10.66553	13.69598	16.09563	26.62766	0.81390	0.90461	5.78534	11.20222
47	10.45419	13.48401	15.82630	26.74242	0.81116	0.90157	5.76587	11.02691
48	10.25178	13.28147	15.56977	26.91679	0.80991	0.90017	5.75694	10.86332
49	10.25178	13.28147	15.56977	27.15201	0.81013	0.90041	5.75850	10.86332
50	10.25178	13.28147	15.56977	27.44958	0.81182	0.90230	5.77055	10.86332
51	10.25178	13.28147	15.56977	27.81157	0.81500	0.90583	5.79315	10.86332
52	10.25178	13.28147	15.56977	28.24034	0.81969	0.91104	5.82644	10.86332
53	10.25178	13.28147	15.56977	28.73885	0.82590	0.91794	5.87060	10.86332
54	10.25178	13.28147	15.56977	29.31065	0.83367	0.92658	5.92587	10.86332
55	10.25178	13.28147	15.56977	29.95961	0.84305	0.93701	5.99255	10.86332
56	11.54465	15.25885	18.04575	30.69043	0.85409	0.94928	6.07102	13.47952
57	12.83753	17.23622	20.52174	31.50827	0.86685	0.96346	6.16173	16.09572
58	14.13040	19.21359	22.99776	32.41917	0.88141	0.97964	6.26518	18.71191
59	15.42327	21.19095	25.47375	33.42990	0.89784	0.99790	6.38197	21.32811
60	16.71611	23.16833	27.94978	34.54805	0.91624	1.01836	6.51278	23.94429
61	18.00897	25.14572	30.42577	35.78220	0.93673	1.04112	6.65839	26.56050
62	19.30183	27.12309	32.90176	37.14212	0.95941	1.06634	6.81964	29.17665
63	20.59468	29.10048	35.37784	38.63863	0.98444	1.09415	6.99752	31.79289
64	21.88757	31.07787	37.85378	40.28391	1.01196	1.12474	7.19313	34.40906
65	23.18045	33.05524	40.32979	42.09161	1.04214	1.15828	7.40768	37.02527

El Paso 1999 Winter Time Period 3 NOx Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HdGV	LDDV	LDDT	HDDV	MC
3	2.39984	2.55436	2.96565	4.04794	2.60223	2.88516	21.40353	1.00867
4	2.20141	2.34539	2.74866	4.08983	2.49263	2.76365	20.50208	0.96478
5	2.08151	2.21932	2.61911	4.13172	2.39104	2.65101	19.66647	0.92836
6	2.00103	2.13505	2.53358	4.17361	2.29685	2.54658	18.89177	0.89883
7	1.94315	2.07492	2.47341	4.21550	2.20950	2.44974	18.17336	0.87564
8	1.89949	2.03006	2.42925	4.25739	2.12850	2.35993	17.50711	0.85827
9	1.86536	1.99553	2.39588	4.29927	2.05338	2.27664	16.88924	0.84620
10	1.83796	1.96834	2.37014	4.34116	1.98373	2.19941	16.31633	0.83893
11	1.81549	1.94658	2.35000	4.38305	1.91916	2.12783	15.78526	0.83600
12	1.79674	1.92894	2.33410	4.42494	1.85933	2.06149	15.29318	0.83695
13	1.78090	1.91452	2.32148	4.46683	1.80393	2.00006	14.83748	0.84135
14	1.76735	1.90266	2.31144	4.50872	1.75267	1.94323	14.41583	0.84880
15	1.75565	1.89286	2.30346	4.55060	1.70528	1.89069	14.02606	0.85889
16	1.74546	1.88474	2.29715	4.59249	1.66153	1.84218	13.66622	0.87125
17	1.73654	1.87801	2.29219	4.63438	1.62120	1.79747	13.33453	0.88554
18	1.72868	1.87243	2.28835	4.67627	1.58410	1.75634	13.02938	0.90143
19	1.72171	1.86780	2.28541	4.71815	1.55005	1.71859	12.74930	0.91859
20	1.72343	1.86577	2.28459	4.76005	1.51889	1.68403	12.49298	0.93675
21	1.73363	1.87770	2.29838	4.80193	1.49046	1.65252	12.25920	0.95563
22	1.74297	1.88881	2.31127	4.84382	1.46465	1.62390	12.04689	0.97498
23	1.75157	1.89920	2.32337	4.88571	1.44133	1.59804	11.85509	0.99456
24	1.75952	1.90892	2.33473	4.92760	1.42040	1.57483	11.68291	1.01417
25	1.76690	1.91804	2.34543	4.96949	1.40176	1.55417	11.52959	1.03362
26	1.77377	1.92661	2.35552	5.01137	1.38533	1.53595	11.39446	1.05274
27	1.78020	1.93466	2.36505	5.05326	1.37104	1.52011	11.27691	1.07137
28	1.78624	1.94224	2.37406	5.09515	1.35882	1.50656	11.17643	1.08938
29	1.79191	1.94937	2.38260	5.13704	1.34863	1.49526	11.09259	1.10667
30	1.79727	1.95609	2.39069	5.17893	1.34041	1.48615	11.02502	1.12315
31	1.80234	1.96242	2.39838	5.22082	1.33414	1.47920	10.97343	1.13874
32	1.80716	1.96838	2.40571	5.26270	1.32979	1.47437	10.93761	1.15340
33	1.81175	1.97400	2.41269	5.30460	1.32733	1.47164	10.91739	1.16709
34	1.81613	1.97931	2.41938	5.34648	1.32676	1.47101	10.91269	1.17980
35	1.82033	1.98433	2.42581	5.38837	1.32807	1.47247	10.92351	1.19156
36	1.82437	1.98909	2.43201	5.43026	1.33127	1.47602	10.94986	1.20237
37	1.82826	1.99360	2.43802	5.47215	1.33638	1.48168	10.99189	1.21231
38	1.83203	1.99790	2.44388	5.51404	1.34342	1.48948	11.04974	1.22143
39	1.83569	2.00201	2.44963	5.55592	1.35241	1.49945	11.12368	1.22983
40	1.83926	2.00597	2.45533	5.59781	1.36339	1.51163	11.21404	1.23761
41	1.84275	2.00979	2.46099	5.63970	1.37642	1.52608	11.32119	1.24492
42	1.84619	2.01352	2.46669	5.68159	1.39155	1.54285	11.44561	1.25190
43	1.84958	2.01718	2.47247	5.72348	1.40884	1.56202	11.58785	1.25872
44	1.85295	2.02082	2.47837	5.76537	1.42837	1.58368	11.74851	1.26557
45	1.85631	2.02447	2.48446	5.80725	1.45024	1.60792	11.92834	1.27267
46	1.85967	2.02816	2.49078	5.84915	1.47453	1.63485	12.12812	1.28024
47	1.86306	2.03194	2.49740	5.89103	1.50136	1.66459	12.34878	1.28853
48	1.86648	2.03585	2.50439	5.93292	1.53084	1.69728	12.59131	1.29783
49	1.86992	2.03976	2.51148	5.97481	1.56312	1.73308	12.85686	1.30713
50	1.87337	2.04377	2.51867	6.01670	1.59836	1.77214	13.14665	1.31643
51	1.87682	2.04778	2.52596	6.05859	1.63671	1.81466	13.46207	1.32573
52	1.88027	2.05179	2.53325	6.10048	1.67836	1.86084	13.80468	1.33503
53	1.88372	2.05580	2.54054	6.14236	1.72352	1.91091	14.17609	1.34433
54	1.88717	2.05981	2.54783	6.18425	1.77240	1.96511	14.57819	1.35363
55	1.89062	2.06382	2.55512	6.22614	1.82527	2.02373	15.01302	1.36293
56	1.89407	2.06783	2.56241	6.26803	1.88238	2.08705	15.48275	1.37223
57	1.89752	2.07184	2.56970	6.30992	1.94404	2.15541	15.98991	1.38153
58	1.90097	2.07585	2.57700	6.35180	2.01057	2.22917	16.53709	1.39083
59	1.90442	2.07986	2.58429	6.39369	2.08233	2.30874	17.12735	1.40013
60	1.90787	2.08387	2.59178	6.43558	2.15971	2.39454	17.76387	1.40943
61	1.91132	2.08788	2.60000	6.47747	2.24317	2.48706	18.45021	1.41873
62	1.91477	2.09189	2.60821	6.51936	2.33315	2.58682	19.19029	1.42803
63	1.91822	2.09590	2.61642	6.56125	2.43019	2.69441	19.98846	1.43733
64	1.92167	2.10000	2.62463	6.60314	2.53486	2.81047	20.84943	1.44663
65	1.92512	2.10400	2.63284	6.64503	2.64780	2.93569	21.77834	1.45593

El Paso 1999 Winter Time Period 4 VOC Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	9.92459	12.27106	17.53888	13.09426	1.58374	2.12362	5.24770	16.64258
4	7.67314	9.52316	13.63285	11.95402	1.50361	2.01617	4.98219	13.70363
5	6.31419	7.83857	11.16765	10.93128	1.42879	1.91585	4.73428	11.52690
6	5.40492	6.70087	9.47499	10.01271	1.35889	1.82212	4.50267	9.88390
7	4.75419	5.88267	8.24761	9.18664	1.29355	1.73450	4.28616	8.62234
8	4.26578	5.26742	7.32204	8.44278	1.23243	1.65255	4.08364	7.63840
9	3.88592	4.78894	6.60270	7.77209	1.17523	1.57586	3.89413	6.85997
10	3.58219	4.40685	6.02987	7.16663	1.12168	1.50405	3.71668	6.23591
11	3.33386	4.09505	5.56433	6.61937	1.07151	1.43678	3.55043	5.72939
12	3.12709	3.83595	5.17934	6.12410	1.02448	1.37372	3.39461	5.31339
13	2.95225	3.61726	4.85604	5.67535	0.98038	1.31459	3.24849	4.96780
14	2.80247	3.43015	4.58084	5.26825	0.93901	1.25911	3.11139	4.67743
15	2.67268	3.26811	4.34368	4.89853	0.90017	1.20703	2.98270	4.43070
16	2.55911	3.12627	4.13699	4.56236	0.86370	1.15813	2.86185	4.21863
17	2.45884	3.00088	3.95502	4.25635	0.82943	1.11218	2.74832	4.03422
18	2.36963	2.88905	3.79328	3.97750	0.79723	1.06900	2.64161	3.87195
19	2.28970	2.78850	3.64828	3.72313	0.76695	1.02840	2.54129	3.72749
20	2.20047	2.69317	3.51184	3.49083	0.73847	0.99021	2.44692	3.59737
21	2.10837	2.58978	3.37008	3.27850	0.71168	0.95428	2.35813	3.47887
22	2.02451	2.49517	3.24041	3.08422	0.68646	0.92047	2.27457	3.36982
23	1.94779	2.40815	3.12117	2.90630	0.66271	0.88863	2.19590	3.26853
24	1.87733	2.32779	3.01100	2.74321	0.64036	0.85865	2.12181	3.17368
25	1.81239	2.25330	2.90882	2.59359	0.61930	0.83041	2.05203	3.08428
26	1.75233	2.18406	2.81371	2.45622	0.59946	0.80381	1.98629	2.99956
27	1.69663	2.11952	2.72497	2.33000	0.58076	0.77874	1.92436	2.91898
28	1.64482	2.05925	2.64197	2.21396	0.56315	0.75512	1.86599	2.84217
29	1.59653	2.00288	2.56423	2.10719	0.54655	0.73286	1.81099	2.76890
30	1.55142	1.95008	2.49133	2.00892	0.53091	0.71189	1.75915	2.69901
31	1.50920	1.90059	2.42290	1.91842	0.51616	0.69212	1.71030	2.63246
32	1.46961	1.85417	2.35865	1.83504	0.50227	0.67350	1.66428	2.56922
33	1.43243	1.81061	2.29832	1.75821	0.48919	0.65595	1.62092	2.50939
34	1.39746	1.76971	2.24165	1.68739	0.47686	0.63942	1.58007	2.45297
35	1.36453	1.73132	2.18846	1.62212	0.46525	0.62386	1.54162	2.40008
36	1.33347	1.69527	2.13854	1.56195	0.45433	0.60921	1.50542	2.35077
37	1.30415	1.66142	2.09169	1.50652	0.44405	0.59543	1.47137	2.30510
38	1.27643	1.62963	2.04776	1.45546	0.43439	0.58247	1.43935	2.26313
39	1.25021	1.59977	2.00659	1.40847	0.42531	0.57030	1.40927	2.22487
40	1.22537	1.57173	1.96800	1.36524	0.41679	0.55887	1.38103	2.19030
41	1.20181	1.54538	1.93184	1.32554	0.40880	0.54816	1.35455	2.15942
42	1.17945	1.52061	1.89795	1.28912	0.40131	0.53812	1.32975	2.13208
43	1.15819	1.49730	1.86616	1.25577	0.39431	0.52873	1.30655	2.10811
44	1.13797	1.47533	1.83633	1.22531	0.38777	0.51996	1.28489	2.08739
45	1.11870	1.45458	1.80826	1.19756	0.38168	0.51179	1.26470	2.06962
46	1.10032	1.43494	1.78178	1.17237	0.37601	0.50419	1.24592	2.05445
47	1.08274	1.41625	1.75670	1.14960	0.37076	0.49714	1.22850	2.04145
48	1.06591	1.39839	1.73282	1.12913	0.36589	0.49063	1.21239	2.03008
49	1.06591	1.39839	1.73282	1.11085	0.36141	0.48462	1.19754	2.03008
50	1.06591	1.39839	1.73282	1.09467	0.35730	0.47911	1.18392	2.03008
51	1.06591	1.39839	1.73282	1.08050	0.35355	0.47407	1.17148	2.03008
52	1.06591	1.39839	1.73282	1.06827	0.35014	0.46951	1.16020	2.03008
53	1.06591	1.39839	1.73282	1.05791	0.34708	0.46539	1.15003	2.03008
54	1.06591	1.39839	1.73282	1.04937	0.34434	0.46172	1.14096	2.03008
55	1.06591	1.39839	1.73282	1.04262	0.34192	0.45848	1.13296	2.03008
56	1.11371	1.46808	1.82885	1.03761	0.33982	0.45567	1.12600	2.17493
57	1.16152	1.53777	1.92488	1.03432	0.33803	0.45327	1.12007	2.31977
58	1.20932	1.60746	2.02092	1.03274	0.33655	0.45128	1.11515	2.46461
59	1.25712	1.67714	2.11695	1.03285	0.33537	0.44969	1.11123	2.60946
60	1.30493	1.74684	2.21298	1.03466	0.33448	0.44851	1.10830	2.75430
61	1.35273	1.81652	2.30901	1.03817	0.33389	0.44772	1.10635	2.89915
62	1.40053	1.88621	2.40504	1.04341	0.33360	0.44732	1.10538	3.04399
63	1.44834	1.95590	2.50108	1.05040	0.33360	0.44732	1.10538	3.18884
64	1.49614	2.02559	2.59711	1.05918	0.33389	0.44772	1.10636	3.33368
65	1.54394	2.09527	2.69314	1.06978	0.33448	0.44851	1.10830	3.47853

El Paso 1999 Winter Time Period 4 CO Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	118.73010	146.16562	197.72835	184.05339	5.26306	5.84962	37.41069	220.56311
4	91.78908	113.05469	152.94954	168.16174	4.85051	5.39109	34.47813	175.90390
5	75.56105	92.88699	124.92752	153.98048	4.47843	4.97755	31.83342	143.67056
6	64.72208	79.34550	105.81610	141.30582	4.14243	4.60410	29.44508	119.88492
7	56.97620	69.65500	92.02975	129.95993	3.83862	4.26643	27.28554	101.97505
8	51.16910	62.39809	81.67418	119.78831	3.56357	3.96073	25.33043	88.23735
9	46.65665	56.77373	73.64961	110.65599	3.31425	3.68363	23.55826	77.51862
10	43.05110	52.29507	67.27321	102.44496	3.08800	3.43215	21.95000	69.02144
11	40.10493	48.64903	62.09940	95.05225	2.88243	3.20367	20.48877	62.18431
12	37.65283	45.62537	57.82597	88.38710	2.69545	2.99585	19.15965	56.60434
13	35.58032	43.07759	54.24095	82.37045	2.52518	2.80661	17.94942	51.98785
14	33.80530	40.90068	51.19186	76.93225	2.36998	2.63412	16.84625	48.11761
15	32.26768	39.01743	48.56653	72.01155	2.22837	2.47672	15.83968	44.83075
16	30.92227	37.36974	46.28090	67.55383	2.09905	2.33298	14.92039	42.00371
17	29.73460	35.91342	44.27075	63.51181	1.98082	2.20158	14.08005	39.54176
18	28.67796	34.61415	42.48653	59.84309	1.87267	2.08137	13.31125	37.37190
19	27.73112	33.44510	40.88948	56.51038	1.77363	1.97131	12.60732	35.43732
20	26.63097	32.29025	39.33922	53.48100	1.68291	1.87046	11.96240	33.69374
21	25.38779	30.91487	37.58290	50.72536	1.59972	1.77801	11.37113	32.10651
22	24.25569	29.65553	35.98018	48.21764	1.52343	1.69321	10.82879	30.64896
23	23.22018	28.49658	34.51013	45.93492	1.45341	1.61539	10.33109	29.29984
24	22.26917	27.42564	33.15558	43.85660	1.38914	1.54395	9.87423	28.04309
25	21.39250	26.43243	31.90268	41.96451	1.33012	1.47837	9.45476	26.86652
26	20.58185	25.50856	30.73984	40.24258	1.27594	1.41814	9.06960	25.76053
27	19.82999	24.64720	29.65770	38.67625	1.22619	1.36285	8.71598	24.71822
28	19.13078	23.84262	28.64828	37.25267	1.18053	1.31210	8.39140	23.73425
29	18.47911	23.09004	27.70497	35.96065	1.13864	1.26554	8.09364	22.80505
30	17.87041	22.38533	26.82219	34.78978	1.10024	1.22286	7.82065	21.92790
31	17.30074	21.72505	25.99513	33.73120	1.06506	1.18376	7.57064	21.10068
32	16.76668	21.10609	25.21968	32.77692	1.03289	1.14801	7.34197	20.32188
33	16.26523	20.52570	24.49226	31.91972	1.00352	1.11536	7.13319	19.59087
34	15.79369	19.98146	23.80960	31.15340	0.97676	1.08562	6.94295	18.90617
35	15.34968	19.47116	23.16895	30.47246	0.95244	1.05859	6.77010	18.26747
36	14.93108	18.99269	22.56758	29.87207	0.93042	1.03412	6.61360	17.67334
37	14.53596	18.54416	22.00322	29.34799	0.91057	1.01205	6.47246	17.12349
38	14.16260	18.12386	21.47360	28.89658	0.89276	0.99226	6.34589	16.61624
39	13.80943	17.72998	20.97664	28.51479	0.87690	0.97463	6.23312	16.15044
40	13.47499	17.36092	20.51031	28.20001	0.86288	0.95905	6.13351	15.72462
41	13.15798	17.01520	20.07275	27.95018	0.85064	0.94544	6.04648	15.33708
42	12.85717	16.69115	19.66199	27.76353	0.84010	0.93373	5.97155	14.98537
43	12.57142	16.38730	19.27617	27.63890	0.83120	0.92384	5.90829	14.66732
44	12.29966	16.10199	18.91339	27.57542	0.82389	0.91571	5.85635	14.37975
45	12.04086	15.83357	18.57178	27.52663	0.81814	0.90932	5.81545	14.11967
46	11.79401	15.58012	18.24928	27.63062	0.81390	0.90461	5.78534	13.88332
47	11.55813	15.33968	17.94363	27.74965	0.81116	0.90157	5.76587	13.66606
48	11.33224	15.11001	17.65266	27.93063	0.80991	0.90017	5.75694	13.46332
49	11.33224	15.11001	17.65266	28.17468	0.81013	0.90041	5.75850	13.46332
50	11.33224	15.11001	17.65266	28.48349	0.81182	0.90230	5.77055	13.46332
51	11.33224	15.11001	17.65266	28.85901	0.81500	0.90583	5.79315	13.46332
52	11.33224	15.11001	17.65266	29.30402	0.81969	0.91104	5.82644	13.46332
53	11.33224	15.11001	17.65266	29.82129	0.82590	0.91794	5.87060	13.46332
54	11.33224	15.11001	17.65266	30.41464	0.83367	0.92658	5.92587	13.46332
55	11.33224	15.11001	17.65266	31.08804	0.84305	0.93701	5.99255	13.46332
56	12.77474	17.37880	20.50113	31.84641	0.85409	0.94928	6.07102	16.70566
57	14.21725	19.64760	23.34961	32.69502	0.86685	0.96346	6.16173	19.94801
58	15.65976	21.91641	26.19809	33.64023	0.88141	0.97964	6.26518	23.19035
59	17.10222	24.18521	29.04666	34.68903	0.89784	0.99790	6.38197	26.43272
60	18.54472	26.45407	31.89514	35.84927	0.91624	1.01836	6.51278	29.67502
61	19.98721	28.72290	34.74364	37.12991	0.93673	1.04112	6.65839	32.91739
62	21.42972	30.99173	37.59212	38.54106	0.95941	1.06634	6.81964	36.15971
63	22.87222	33.26054	40.44066	40.09390	0.98444	1.09415	6.99752	39.40210
64	24.31470	35.52934	43.28918	41.80118	1.01196	1.12474	7.19313	42.64444
65	25.75720	37.79817	46.13768	43.67694	1.04214	1.15828	7.40768	45.88681

El Paso 1999 Winter Time Period 4 NOx Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	2.70487	2.88535	3.32250	4.32461	2.60223	2.88516	21.40353	1.11501
4	2.48112	2.64853	3.07645	4.36937	2.49263	2.76365	20.50208	1.06649
5	2.34594	2.50570	2.92935	4.41412	2.39104	2.65101	19.66647	1.02623
6	2.25517	2.41019	2.83203	4.45887	2.29685	2.54658	18.89177	0.99359
7	2.18989	2.34201	2.76339	4.50362	2.20950	2.44974	18.17336	0.96796
8	2.14062	2.29109	2.71283	4.54837	2.12850	2.35993	17.50711	0.94875
9	2.10209	2.25183	2.67445	4.59312	2.05338	2.27664	16.88924	0.93541
10	2.07114	2.22085	2.64468	4.63788	1.98373	2.19941	16.31633	0.92738
11	2.04574	2.19597	2.62123	4.68263	1.91916	2.12783	15.78526	0.92414
12	2.02454	2.17574	2.60256	4.72738	1.85933	2.06149	15.29318	0.92519
13	2.00660	2.15912	2.58759	4.77213	1.80393	2.00006	14.83748	0.93005
14	1.99124	2.14537	2.57554	4.81688	1.75267	1.94323	14.41583	0.93828
15	1.97797	2.13394	2.56582	4.86163	1.70528	1.89069	14.02606	0.94944
16	1.96640	2.12440	2.55798	4.90638	1.66153	1.84218	13.66622	0.96311
17	1.95625	2.11641	2.55167	4.95114	1.62120	1.79747	13.33453	0.97890
18	1.94730	2.10971	2.54664	4.99589	1.58410	1.75634	13.02938	0.99646
19	1.93935	2.10410	2.54264	5.04064	1.55005	1.71859	12.74930	1.01544
20	1.94120	2.10149	2.54113	5.08539	1.51889	1.68403	12.49298	1.03551
21	1.95266	2.11478	2.55623	5.13014	1.49046	1.65252	12.25920	1.05638
22	1.96315	2.12714	2.57033	5.17489	1.46465	1.62390	12.04689	1.07776
23	1.97280	2.13866	2.58353	5.21964	1.44133	1.59804	11.85509	1.09941
24	1.98172	2.14943	2.59591	5.26439	1.42040	1.57483	11.68291	1.12109
25	1.99000	2.15952	2.60756	5.30915	1.40176	1.55417	11.52959	1.14259
26	1.99771	2.16899	2.61854	5.35390	1.38533	1.53595	11.39446	1.16372
27	2.00491	2.17788	2.62890	5.39865	1.37104	1.52011	11.27691	1.18432
28	2.01167	2.18624	2.63869	5.44340	1.35882	1.50656	11.17643	1.20423
29	2.01803	2.19410	2.64796	5.48815	1.34863	1.49526	11.09259	1.22334
30	2.02404	2.20151	2.65675	5.53290	1.34041	1.48615	11.02502	1.24156
31	2.02973	2.20849	2.66511	5.57766	1.33414	1.47920	10.97343	1.25879
32	2.03513	2.21506	2.67306	5.62241	1.32979	1.47437	10.93761	1.27500
33	2.04028	2.22127	2.68066	5.66716	1.32733	1.47164	10.91739	1.29013
34	2.04519	2.22713	2.68793	5.71191	1.32676	1.47101	10.91269	1.30418
35	2.04991	2.23268	2.69493	5.75666	1.32807	1.47247	10.92351	1.31718
36	2.05444	2.23793	2.70167	5.80141	1.33127	1.47602	10.94986	1.32913
37	2.05882	2.24293	2.70822	5.84616	1.33638	1.48168	10.99189	1.34012
38	2.06305	2.24769	2.71460	5.89091	1.34342	1.48948	11.04974	1.35020
39	2.06717	2.25225	2.72087	5.93566	1.35241	1.49945	11.12368	1.35948
40	2.07119	2.25663	2.72707	5.98042	1.36339	1.51163	11.21404	1.36809
41	2.07512	2.26088	2.73324	6.02517	1.37642	1.52608	11.32119	1.37617
42	2.07899	2.26501	2.73944	6.06992	1.39155	1.54285	11.44561	1.38388
43	2.08281	2.26908	2.74571	6.11467	1.40884	1.56202	11.58785	1.39142
44	2.08660	2.27310	2.75211	6.15942	1.42837	1.58368	11.74851	1.39899
45	2.09038	2.27713	2.75870	6.20417	1.45024	1.60792	11.92834	1.40684
46	2.09417	2.28120	2.76553	6.24893	1.47453	1.63485	12.12812	1.41521
47	2.09798	2.28536	2.77267	6.29368	1.50136	1.66459	12.34878	1.42438
48	2.10183	2.28964	2.78018	6.33843	1.53084	1.69728	12.59131	1.43466
49	2.17695	2.38063	2.89363	6.38318	1.56312	1.73308	12.85686	1.48137
50	2.25207	2.47162	3.00707	6.42793	1.59836	1.77214	13.14665	1.52809
51	2.32720	2.56261	3.12052	6.47268	1.63671	1.81466	13.46207	1.57480
52	2.40232	2.65360	3.23397	6.51744	1.67836	1.86084	13.80468	1.62152
53	2.47744	2.74459	3.34741	6.56219	1.72352	1.91091	14.17609	1.66823
54	2.55257	2.83558	3.46086	6.60694	1.77240	1.96511	14.57819	1.71495
55	2.62769	2.92657	3.57431	6.65169	1.82527	2.02373	15.01302	1.76167
56	2.70282	3.01756	3.68775	6.69644	1.88238	2.08705	15.48275	1.80838
57	2.77794	3.10855	3.80120	6.74119	1.94404	2.15541	15.98991	1.85510
58	2.85306	3.19954	3.91464	6.78594	2.01057	2.22917	16.53709	1.90182
59	2.92819	3.29053	4.02809	6.83069	2.08233	2.30874	17.12735	1.94853
60	3.00331	3.38151	4.14153	6.87545	2.15971	2.39454	17.76387	1.99525
61	3.07843	3.47250	4.25498	6.92020	2.24317	2.48706	18.45021	2.04196
62	3.15356	3.56349	4.36842	6.96495	2.33315	2.58682	19.19029	2.08868
63	3.22868	3.65448	4.48187	7.00970	2.43019	2.69441	19.98846	2.13539
64	3.30381	3.74547	4.59531	7.05445	2.53486	2.81047	20.84943	2.18211
65	3.37893	3.83646	4.70876	7.09921	2.64780	2.93569	21.77834	2.22882

El Paso 2005 Summer Time Period 1 VOC Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDTV	LDDV	LDDT	HDDV	MC
3	3.92181	5.03106	8.22950	9.02867	1.17600	1.57761	4.53750	14.03449
4	2.90504	3.72946	6.13470	7.62111	1.11650	1.49779	4.30793	11.84599
5	2.33746	2.99746	4.94545	6.70629	1.06094	1.42326	4.09357	10.22509
6	1.97678	2.52986	4.18077	6.01869	1.00904	1.35363	3.89330	9.00164
7	1.72782	2.20586	3.64838	5.46214	0.96052	1.28854	3.70609	8.06221
8	1.56955	1.99396	3.28738	5.03320	0.91514	1.22766	3.53098	7.32952
9	1.44701	1.82898	3.00711	4.65555	0.87267	1.17069	3.36712	6.74986
10	1.34714	1.69423	2.78026	4.31686	0.83290	1.11734	3.21368	6.28516
11	1.26374	1.58146	2.59223	4.01195	0.79564	1.06736	3.06994	5.90798
12	1.19271	1.48520	2.43334	3.73661	0.76073	1.02052	2.93520	5.59820
13	1.13118	1.40161	2.29686	3.48731	0.72798	0.97659	2.80886	5.34086
14	1.07713	1.32800	2.17797	3.26107	0.69726	0.93537	2.69031	5.12464
15	1.02905	1.26235	2.07318	3.05530	0.66842	0.89669	2.57904	4.94091
16	0.98583	1.20319	1.97982	2.86780	0.64134	0.86036	2.47455	4.78300
17	0.94660	1.14936	1.89589	2.69662	0.61589	0.82622	2.37637	4.64567
18	0.91071	1.09998	1.81981	2.54006	0.59198	0.79414	2.28411	4.52484
19	0.87762	1.05434	1.75035	2.39663	0.56950	0.76398	2.19736	4.41727
20	0.84186	1.01158	1.68297	2.26773	0.54835	0.73561	2.11577	4.32037
21	0.80905	0.97456	1.61965	2.15356	0.52845	0.70892	2.03900	4.23213
22	0.77906	0.94081	1.56199	2.04899	0.50973	0.68380	1.96674	4.15093
23	0.75153	0.90991	1.50927	1.95310	0.49210	0.66015	1.89872	4.07550
24	0.72615	0.88150	1.46086	1.86508	0.47549	0.63788	1.83466	4.00488
25	0.70266	0.85528	1.41624	1.78419	0.45986	0.61690	1.77432	3.93830
26	0.68084	0.83100	1.37498	1.70977	0.44512	0.59714	1.71748	3.87521
27	0.66052	0.80844	1.33670	1.64124	0.43124	0.57852	1.66392	3.81521
28	0.64152	0.78742	1.30109	1.57808	0.41816	0.56097	1.61345	3.75802
29	0.62371	0.76778	1.26786	1.51982	0.40584	0.54443	1.56590	3.70346
30	0.60697	0.74938	1.23679	1.46603	0.39422	0.52885	1.52108	3.65141
31	0.59120	0.73210	1.20765	1.41633	0.38327	0.51417	1.47884	3.60185
32	0.57630	0.71584	1.18028	1.37038	0.37296	0.50033	1.43904	3.55477
33	0.56221	0.70050	1.15451	1.32788	0.36324	0.48729	1.40155	3.51021
34	0.54884	0.68601	1.13019	1.28854	0.35409	0.47501	1.36623	3.46819
35	0.53614	0.67228	1.10721	1.25211	0.34547	0.46345	1.33298	3.42881
36	0.52404	0.65926	1.08545	1.21838	0.33736	0.45257	1.30168	3.39209
37	0.51251	0.64689	1.06482	1.18713	0.32973	0.44233	1.27224	3.35809
38	0.50149	0.63512	1.04522	1.15818	0.32255	0.43271	1.24456	3.32683
39	0.49094	0.62390	1.02657	1.13137	0.31581	0.42367	1.21855	3.29834
40	0.48084	0.61318	1.00881	1.10654	0.30949	0.41518	1.19413	3.27260
41	0.47115	0.60295	0.99187	1.08355	0.30355	0.40722	1.17123	3.24960
42	0.46183	0.59315	0.97568	1.06230	0.29799	0.39976	1.14979	3.22925
43	0.45287	0.58375	0.96021	1.04265	0.29279	0.39279	1.12973	3.21140
44	0.44423	0.57474	0.94539	1.02452	0.28794	0.38627	1.11100	3.19597
45	0.43590	0.56609	0.93119	1.00781	0.28341	0.38020	1.09354	3.18273
46	0.42786	0.55776	0.91756	0.99245	0.27921	0.37456	1.07730	3.17144
47	0.42009	0.54975	0.90447	0.97835	0.27530	0.36932	1.06224	3.16176
48	0.41269	0.54207	0.89191	0.96551	0.27169	0.36448	1.04831	3.15330
49	0.41177	0.54104	0.89056	0.95432	0.26837	0.36002	1.03547	3.15330
50	0.41091	0.54008	0.88928	0.94430	0.26531	0.35592	1.02369	3.15330
51	0.41010	0.53916	0.88808	0.93540	0.26253	0.35218	1.01294	3.15330
52	0.40933	0.53830	0.88695	0.92758	0.26000	0.34879	1.00318	3.15330
53	0.40860	0.53748	0.88587	0.92080	0.25772	0.34573	0.99439	3.15330
54	0.40791	0.53670	0.88485	0.91502	0.25569	0.34301	0.98655	3.15330
55	0.40725	0.53597	0.88389	0.91022	0.25389	0.34060	0.97963	3.15330
56	0.41858	0.55147	0.91427	0.90638	0.25233	0.33851	0.97361	3.26115
57	0.42994	0.56701	0.94470	0.90347	0.25100	0.33672	0.96849	3.36901
58	0.44133	0.58258	0.97517	0.90149	0.24990	0.33525	0.96423	3.47687
59	0.45275	0.59819	1.00568	0.90043	0.24902	0.33407	0.96085	3.58473
60	0.46419	0.61382	1.03623	0.90027	0.24837	0.33319	0.95831	3.69259
61	0.47566	0.62947	1.06681	0.90104	0.24793	0.33260	0.95663	3.80044
62	0.48715	0.64516	1.09743	0.90272	0.24771	0.33231	0.95579	3.90830
63	0.49866	0.66086	1.12808	0.90533	0.24771	0.33231	0.95579	4.01616
64	0.51018	0.67659	1.15875	0.90889	0.24793	0.33260	0.95663	4.12402
65	0.52173	0.69233	1.18946	0.91341	0.24837	0.33319	0.95831	4.23188

El Paso 2005 Summer Time Period 1 CO Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HdGV	LDDV	LDDT	HDDV	MC
3	30.59241	41.92590	79.06424	86.32181	4.54815	4.98763	35.23106	153.99066
4	23.83170	32.62946	61.32925	78.86858	4.19164	4.59667	32.46941	122.81093
5	19.77527	27.05159	50.68828	72.21747	3.87010	4.24407	29.97874	100.30652
6	17.07098	23.33302	43.59433	66.27301	3.57974	3.92565	27.72957	83.70009
7	15.13937	20.67693	38.52724	60.95172	3.31720	3.63774	25.69583	71.19595
8	13.69064	18.68486	34.72691	56.18121	3.07951	3.37708	23.85466	61.60466
9	12.56384	17.13547	31.77109	51.89810	2.86407	3.14082	22.18570	54.12119
10	11.66242	15.89595	29.40642	48.04709	2.66854	2.92640	20.67116	48.18875
11	10.92488	14.88181	27.47169	44.57986	2.49090	2.73159	19.29506	43.41525
12	10.31027	14.03668	25.85942	41.45395	2.32931	2.55439	18.04340	39.51945
13	9.79021	13.32157	24.49522	38.63206	2.18217	2.39304	16.90367	36.29637
14	9.34444	12.70862	23.32590	36.08153	2.04806	2.24596	15.86477	33.59430
15	8.95812	12.17739	22.31245	33.77370	1.92568	2.11176	14.91683	31.29948
16	8.62008	11.71257	21.42572	31.68306	1.81392	1.98920	14.05110	29.32573
17	8.32181	11.30244	20.64331	29.78732	1.71176	1.87716	13.25972	27.60689
18	8.05668	10.93787	19.94780	28.06670	1.61829	1.77467	12.53571	26.09200
19	7.81946	10.61168	19.32553	26.50366	1.53272	1.68082	11.87280	24.74129
20	7.50291	10.23375	18.63443	25.08284	1.45431	1.59484	11.26545	23.52399
21	7.11625	9.75280	17.78067	23.79044	1.38243	1.51601	10.70863	22.41586
22	6.76473	9.31557	17.00450	22.61432	1.31649	1.44370	10.19789	21.39819
23	6.44378	8.91636	16.29584	21.54370	1.25599	1.37735	9.72919	20.45628
24	6.14958	8.55042	15.64624	20.56897	1.20044	1.31644	9.29894	19.57887
25	5.87891	8.21375	15.04859	19.68159	1.14945	1.26052	8.90391	18.75742
26	5.62906	7.90298	14.49691	18.87399	1.10262	1.20917	8.54119	17.98524
27	5.39772	7.61523	13.98610	18.13937	1.05963	1.16202	8.20817	17.25755
28	5.18291	7.34803	13.51177	17.47174	1.02017	1.11875	7.90250	16.57059
29	4.98291	7.09926	13.07016	16.86575	0.98397	1.07905	7.62210	15.92184
30	4.79624	6.86708	12.65799	16.31664	0.95079	1.04266	7.36501	15.30945
31	4.62162	6.64987	12.27241	15.82015	0.92039	1.00933	7.12956	14.73190
32	4.45791	6.44624	11.91093	15.37257	0.89259	0.97884	6.91421	14.18816
33	4.30412	6.25496	11.57135	14.97055	0.86721	0.95100	6.71760	13.67779
34	4.15938	6.07492	11.25175	14.61116	0.84408	0.92564	6.53844	13.19974
35	4.02291	5.90517	10.95042	14.29179	0.82307	0.90260	6.37566	12.75383
36	3.89402	5.74485	10.66582	14.01019	0.80404	0.88173	6.22828	12.33901
37	3.77209	5.59320	10.39661	13.76439	0.78688	0.86292	6.09537	11.95513
38	3.65659	5.44953	10.14157	13.55269	0.77149	0.84604	5.97616	11.60097
39	3.54701	5.31323	9.89960	13.37363	0.75778	0.83101	5.86997	11.27576
40	3.44290	5.18374	9.66974	13.22600	0.74567	0.81773	5.77616	10.97847
41	3.34388	5.06057	9.45109	13.10882	0.73509	0.80612	5.69421	10.70789
42	3.24957	4.94326	9.24285	13.02127	0.72598	0.79614	5.62364	10.46234
43	3.15965	4.83141	9.04429	12.96282	0.71829	0.78770	5.56407	10.24029
44	3.07381	4.72465	8.85476	12.93303	0.71198	0.78078	5.51515	10.03952
45	2.99179	4.62263	8.67366	12.93175	0.70701	0.77532	5.47663	9.85794
46	2.91334	4.52504	8.50042	12.95893	0.70335	0.77131	5.44828	9.69293
47	2.83822	4.43161	8.33456	13.01477	0.70098	0.76871	5.42994	9.54124
48	2.76624	4.34207	8.17562	13.09964	0.69989	0.76752	5.42154	9.39969
49	2.76624	4.34207	8.17562	13.21411	0.70008	0.76773	5.42300	9.39969
50	2.76624	4.34207	8.17562	13.35893	0.70155	0.76934	5.43435	9.39969
51	2.76624	4.34207	8.17562	13.53508	0.70430	0.77235	5.45563	9.39969
52	2.76624	4.34207	8.17562	13.74377	0.70834	0.77679	5.48699	9.39969
53	2.76624	4.34207	8.17562	13.98638	0.71371	0.78268	5.52857	9.39969
54	2.76624	4.34207	8.17562	14.26466	0.72043	0.79004	5.58062	9.39969
55	2.76624	4.34207	8.17562	14.58050	0.72854	0.79893	5.64342	9.39969
56	3.06898	4.85819	9.21726	14.93616	0.73808	0.80940	5.71732	11.66341
57	3.37173	5.37431	10.25891	15.33418	0.74910	0.82149	5.80274	13.92713
58	3.67448	5.89043	11.30057	15.77748	0.76168	0.83528	5.90016	16.19084
59	3.97722	6.40655	12.34222	16.26936	0.77588	0.85085	6.01015	18.45454
60	4.27997	6.92267	13.38387	16.81352	0.79178	0.86829	6.13334	20.71826
61	4.58272	7.43879	14.42552	17.41415	0.80948	0.88770	6.27046	22.98198
62	4.88546	7.95491	15.46718	18.07597	0.82909	0.90920	6.42232	25.24564
63	5.18821	8.47103	16.50880	18.80428	0.85072	0.93292	6.58984	27.50937
64	5.49096	8.98714	17.55045	19.60498	0.87450	0.95900	6.77405	29.77309
65	5.79371	9.50326	18.59209	20.48473	0.90058	0.98760	6.97610	32.03682

El Paso 2005 Summer Time Period 1 NOx Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	1.24470	1.59051	2.33073	3.51587	2.00733	2.22335	14.74076	0.90848
4	1.13770	1.45377	2.13035	3.55226	1.92278	2.12971	14.11993	0.86895
5	1.07349	1.37173	2.01013	3.58864	1.84442	2.04291	13.54445	0.83614
6	1.03069	1.31704	1.92998	3.62502	1.77176	1.96244	13.01089	0.80955
7	1.00012	1.27797	1.87273	3.66140	1.70438	1.88781	12.51611	0.78867
8	0.97719	1.24867	1.82979	3.69779	1.64190	1.81860	12.05726	0.77302
9	0.95935	1.22588	1.79639	3.73417	1.58395	1.75442	11.63173	0.76214
10	0.94508	1.20765	1.76968	3.77055	1.53022	1.69490	11.23717	0.75560
11	0.93341	1.19273	1.74782	3.80693	1.48042	1.63974	10.87141	0.75296
12	0.92368	1.18030	1.72960	3.84332	1.43427	1.58862	10.53251	0.75382
13	0.91545	1.16978	1.71419	3.87970	1.39153	1.54128	10.21867	0.75778
14	0.90840	1.16077	1.70098	3.91608	1.35198	1.49749	9.92827	0.76449
15	0.90228	1.15295	1.68953	3.95246	1.31543	1.45700	9.65983	0.77357
16	0.89693	1.14612	1.67951	3.98885	1.28168	1.41962	9.41201	0.78471
17	0.89221	1.14008	1.67067	4.02523	1.25057	1.38516	9.18357	0.79758
18	0.88801	1.13472	1.66281	4.06161	1.22196	1.35346	8.97342	0.81189
19	0.88426	1.12992	1.65578	4.09800	1.19569	1.32437	8.78052	0.82735
20	0.88594	1.12464	1.64902	4.13438	1.17165	1.29774	8.60399	0.84370
21	0.89173	1.12829	1.65603	4.17076	1.14973	1.27346	8.44299	0.86071
22	0.89699	1.13160	1.66241	4.20714	1.12982	1.25140	8.29677	0.87813
23	0.90180	1.13463	1.66822	4.24352	1.11183	1.23148	8.16468	0.89577
24	0.90620	1.13741	1.67356	4.27990	1.09568	1.21359	8.04609	0.91344
25	0.91026	1.13996	1.67846	4.31629	1.08130	1.19767	7.94050	0.93095
26	0.91400	1.14232	1.68299	4.35267	1.06863	1.18363	7.84744	0.94817
27	0.91746	1.14450	1.68719	4.38906	1.05760	1.17142	7.76648	0.96495
28	0.92068	1.14653	1.69108	4.42544	1.04818	1.16098	7.69727	0.98118
29	0.92367	1.14842	1.69471	4.46182	1.04032	1.15227	7.63954	0.99675
30	0.92647	1.15018	1.69809	4.49820	1.03398	1.14525	7.59300	1.01159
31	0.92908	1.15183	1.70126	4.53459	1.02914	1.13990	7.55747	1.02563
32	0.93153	1.15337	1.70423	4.57096	1.02578	1.13617	7.53280	1.03883
33	0.93383	1.15482	1.70702	4.60735	1.02388	1.13407	7.51888	1.05116
34	0.93600	1.15619	1.70964	4.64373	1.02344	1.13359	7.51564	1.06261
35	0.93804	1.15748	1.71211	4.68012	1.02446	1.13471	7.52309	1.07320
36	0.93997	1.15870	1.71445	4.71649	1.02693	1.13745	7.54124	1.08294
37	0.94180	1.15984	1.71666	4.75288	1.03087	1.14181	7.57018	1.09189
38	0.94353	1.16094	1.71875	4.78926	1.03630	1.14782	7.61003	1.10010
39	0.94517	1.16197	1.72074	4.82564	1.04323	1.15550	7.66095	1.10767
40	0.94673	1.16295	1.72263	4.86203	1.05171	1.16489	7.72318	1.11468
41	0.94821	1.16389	1.72442	4.89841	1.06176	1.17602	7.79697	1.12126
42	0.94962	1.16478	1.72613	4.93479	1.07342	1.18895	7.88266	1.12755
43	0.95097	1.16563	1.72776	4.97117	1.08676	1.20372	7.98063	1.13369
44	0.95225	1.16644	1.72932	5.00756	1.10183	1.22041	8.09127	1.13986
45	0.95348	1.16721	1.73081	5.04394	1.11870	1.23909	8.21512	1.14625
46	0.95466	1.16795	1.73223	5.08032	1.13743	1.25984	8.35271	1.15307
47	0.95578	1.16866	1.73359	5.11670	1.15813	1.28276	8.50468	1.16054
48	0.95686	1.16934	1.73490	5.15309	1.18087	1.30796	8.67171	1.16892
49	0.98690	1.21442	1.80258	5.18947	1.20578	1.33554	8.85460	1.20698
50	1.01694	1.25951	1.87027	5.22586	1.23296	1.36565	9.05418	1.24504
51	1.04698	1.30459	1.93795	5.26224	1.26254	1.39841	9.27141	1.28311
52	1.07701	1.34968	2.00564	5.29862	1.29467	1.43400	9.50737	1.32117
53	1.10705	1.39476	2.07333	5.33500	1.32950	1.47258	9.76316	1.35923
54	1.13709	1.43985	2.14102	5.37138	1.36721	1.51435	10.04008	1.39729
55	1.16713	1.48494	2.20871	5.40777	1.40799	1.55952	10.33956	1.43536
56	1.19717	1.53002	2.27639	5.44415	1.45205	1.60832	10.66307	1.47342
57	1.22720	1.57511	2.34408	5.48053	1.49961	1.66099	11.01235	1.51148
58	1.25724	1.62019	2.41177	5.51691	1.55093	1.71784	11.38920	1.54955
59	1.28728	1.66528	2.47945	5.55330	1.60628	1.77915	11.79572	1.58761
60	1.31732	1.71037	2.54714	5.58968	1.66598	1.84527	12.23410	1.62567
61	1.34736	1.75545	2.61483	5.62606	1.73035	1.91657	12.70679	1.66373
62	1.37740	1.80054	2.68252	5.66244	1.79976	1.99345	13.21650	1.70180
63	1.40744	1.84562	2.75020	5.69883	1.87461	2.07636	13.76620	1.73986
64	1.43747	1.89071	2.81789	5.73521	1.95536	2.16579	14.35915	1.77792
65	1.46751	1.93579	2.88558	5.77159	2.04248	2.26229	14.99890	1.81598

El Paso 2005 Summer Time Period 2 VOC Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	5.28698	6.07970	9.71732	12.52661	1.17600	1.57761	4.53750	16.13817
4	3.77593	4.33658	6.98788	9.99634	1.11650	1.49779	4.30793	13.97550
5	2.96407	3.40117	5.50563	8.53223	1.06094	1.42326	4.09357	12.37373
6	2.46233	2.82359	4.58222	7.52724	1.00904	1.35363	3.89330	11.16471
7	2.12329	2.43358	3.95437	6.76619	0.96052	1.28854	3.70609	10.23637
8	1.92945	2.19820	3.55849	6.24479	0.91514	1.22766	3.53098	9.51233
9	1.77952	2.01764	3.25466	5.79550	0.87267	1.17069	3.36712	8.93951
10	1.65532	1.87095	3.00944	5.39514	0.83290	1.11734	3.21368	8.48029
11	1.54984	1.74889	2.80685	5.03616	0.79564	1.06736	3.06994	8.10756
12	1.45840	1.64531	2.63622	4.71270	0.76073	1.02052	2.93520	7.80143
13	1.37776	1.55593	2.49020	4.42007	0.72798	0.97659	2.80886	7.54713
14	1.30560	1.47771	2.36349	4.15442	0.69726	0.93537	2.69031	7.33346
15	1.24022	1.40843	2.25224	3.91252	0.66842	0.89669	2.57904	7.15190
16	1.18036	1.34641	2.15356	3.69163	0.64134	0.86036	2.47455	6.99585
17	1.12505	1.29036	2.06521	3.48942	0.61589	0.82622	2.37637	6.86014
18	1.07351	1.23930	1.98549	3.30384	0.59198	0.79414	2.28411	6.74074
19	1.02517	1.19243	1.91303	3.13314	0.56950	0.76398	2.19736	6.63443
20	0.97871	1.14752	1.84196	2.98236	0.54835	0.73561	2.11577	6.53868
21	0.94187	1.10672	1.77354	2.85344	0.52845	0.70892	2.03900	6.45148
22	0.90808	1.06948	1.71119	2.73531	0.50973	0.68380	1.96674	6.37124
23	0.87696	1.03533	1.65412	2.62691	0.49210	0.66015	1.89872	6.29670
24	0.84818	1.00389	1.60167	2.52732	0.47549	0.63788	1.83466	6.22691
25	0.82144	0.97483	1.55329	2.43568	0.45986	0.61690	1.77432	6.16112
26	0.79652	0.94787	1.50851	2.35128	0.44512	0.59714	1.71748	6.09878
27	0.77321	0.92279	1.46693	2.27345	0.43124	0.57852	1.66392	6.03948
28	0.75135	0.89938	1.42819	2.20159	0.41816	0.56097	1.61345	5.98297
29	0.73077	0.87746	1.39202	2.13518	0.40584	0.54443	1.56590	5.92905
30	0.71136	0.85690	1.35816	2.07374	0.39422	0.52885	1.52108	5.87761
31	0.69300	0.83755	1.32637	2.01686	0.38327	0.51417	1.47884	5.82864
32	0.67559	0.81931	1.29647	1.96414	0.37296	0.50033	1.43904	5.78211
33	0.65904	0.80207	1.26829	1.91524	0.36324	0.48729	1.40155	5.73808
34	0.64328	0.78574	1.24166	1.86986	0.35409	0.47501	1.36623	5.69656
35	0.62825	0.77026	1.21647	1.82771	0.34547	0.46345	1.33298	5.65764
36	0.61387	0.75554	1.19259	1.78855	0.33736	0.45257	1.30168	5.62136
37	0.60010	0.74152	1.16991	1.75214	0.32973	0.44233	1.27224	5.58775
38	0.58690	0.72816	1.14834	1.71828	0.32255	0.43271	1.24456	5.55686
39	0.57420	0.71539	1.12779	1.68679	0.31581	0.42367	1.21855	5.52871
40	0.56199	0.70317	1.10819	1.65750	0.30949	0.41518	1.19413	5.50327
41	0.55022	0.69148	1.08946	1.63025	0.30355	0.40722	1.17123	5.48055
42	0.53886	0.68025	1.07156	1.60492	0.29799	0.39976	1.14979	5.46043
43	0.52788	0.66948	1.05440	1.58137	0.29279	0.39279	1.12973	5.44279
44	0.51726	0.65911	1.03796	1.55949	0.28794	0.38627	1.11100	5.42755
45	0.50697	0.64913	1.02217	1.53920	0.28341	0.38020	1.09354	5.41447
46	0.49699	0.63951	1.00701	1.52039	0.27921	0.37456	1.07730	5.40331
47	0.48730	0.63023	0.99241	1.50299	0.27530	0.36932	1.06224	5.39374
48	0.47810	0.62132	0.97836	1.48697	0.27169	0.36448	1.04831	5.38538
49	0.47625	0.61919	0.97544	1.47279	0.26837	0.36002	1.03547	5.38538
50	0.47450	0.61718	0.97269	1.46000	0.26531	0.35592	1.02369	5.38538
51	0.47285	0.61529	0.97010	1.44852	0.26253	0.35218	1.01294	5.38538
52	0.47129	0.61350	0.96765	1.43831	0.26000	0.34879	1.00318	5.38538
53	0.46982	0.61181	0.96534	1.42930	0.25772	0.34573	0.99439	5.38538
54	0.46842	0.61021	0.96315	1.42146	0.25569	0.34301	0.98655	5.38538
55	0.46710	0.60869	0.96108	1.41475	0.25389	0.34060	0.97963	5.38538
56	0.47781	0.62348	0.99047	1.40914	0.25233	0.33851	0.97361	5.49196
57	0.48858	0.63835	1.01997	1.40461	0.25100	0.33672	0.96849	5.59855
58	0.49941	0.65328	1.04956	1.40113	0.24990	0.33525	0.96423	5.70513
59	0.51029	0.66828	1.07923	1.39869	0.24902	0.33407	0.96085	5.81172
60	0.52123	0.68333	1.10899	1.39729	0.24837	0.33319	0.95831	5.91830
61	0.53221	0.69844	1.13883	1.39692	0.24793	0.33260	0.95663	6.02489
62	0.54324	0.71361	1.16874	1.39759	0.24771	0.33231	0.95579	6.13148
63	0.55432	0.72882	1.19871	1.39930	0.24771	0.33231	0.95579	6.23806
64	0.56543	0.74407	1.22875	1.40206	0.24793	0.33260	0.95663	6.34465
65	0.57657	0.75937	1.25884	1.40589	0.24837	0.33319	0.95831	6.45123

El Paso 2005 Summer Time Period 2 CO Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HdGV	LDDV	LDDT	HDDV	MC
3	30.60440	41.96887	79.17250	100.13939	4.54815	4.98763	35.23106	197.78737
4	23.84076	32.66161	61.41026	91.49306	4.19164	4.59667	32.46941	157.73976
5	19.78258	27.07726	50.75293	83.77739	3.87010	4.24407	29.97874	128.83488
6	17.07712	23.35437	43.64809	76.88130	3.57974	3.92565	27.72957	107.50539
7	15.14466	20.69518	38.57321	70.70827	3.31720	3.63774	25.69583	91.44495
8	13.69530	18.70078	34.76704	65.17416	3.07951	3.37708	23.85466	79.12579
9	12.56802	17.14960	31.80669	60.20544	2.86407	3.14082	22.18570	69.51389
10	11.66620	15.90864	29.43839	55.73798	2.66854	2.92640	20.67116	61.89418
11	10.92834	14.89332	27.50069	51.71579	2.49090	2.73159	19.29506	55.76305
12	10.31346	14.04720	25.88594	48.08946	2.32931	2.55439	18.04340	50.75923
13	9.79318	13.33126	24.51964	44.81589	2.18217	2.39304	16.90367	46.61948
14	9.34722	12.71760	23.34851	41.85712	2.04806	2.24596	15.86477	43.14891
15	8.96072	12.18575	22.33353	39.17989	1.92568	2.11176	14.91683	40.20143
16	8.62254	11.72039	21.44542	36.75452	1.81392	1.98920	14.05110	37.66632
17	8.32414	11.30978	20.66182	34.55534	1.71176	1.87716	13.25972	35.45862
18	8.05890	10.94479	19.96524	32.55927	1.61829	1.77467	12.53571	33.51286
19	7.82157	10.61822	19.34201	30.74605	1.53272	1.68082	11.87280	31.77802
20	7.50495	10.24008	18.65039	29.09782	1.45431	1.59484	11.26545	30.21448
21	7.11822	9.75899	17.79628	27.59854	1.38243	1.51601	10.70863	28.79117
22	6.76664	9.32163	17.01978	26.23418	1.31649	1.44370	10.19789	27.48407
23	6.44564	8.92230	16.31081	24.99216	1.25599	1.37735	9.72919	26.27426
24	6.15139	8.55625	15.66093	23.86143	1.20044	1.31644	9.29894	25.14731
25	5.88068	8.21948	15.06303	22.83200	1.14945	1.26052	8.90391	24.09221
26	5.63078	7.90862	14.51112	21.89511	1.10262	1.20917	8.54119	23.10045
27	5.39941	7.62078	14.00009	21.04292	1.05963	1.16202	8.20817	22.16579
28	5.18456	7.35350	13.52556	20.26840	1.02017	1.11875	7.90250	21.28340
29	4.98452	7.10466	13.08376	19.56544	0.98397	1.07905	7.62210	20.45016
30	4.79782	6.87241	12.67141	18.92841	0.95079	1.04266	7.36501	19.66360
31	4.62317	6.65514	12.28567	18.35246	0.92039	1.00933	7.12956	18.92178
32	4.45943	6.45145	11.92403	17.83322	0.89259	0.97884	6.91421	18.22340
33	4.30562	6.26010	11.58431	17.36688	0.86721	0.95100	6.71760	17.56790
34	4.16085	6.08001	11.26458	16.94995	0.84408	0.92564	6.53844	16.95389
35	4.02436	5.91021	10.96311	16.57945	0.82307	0.90260	6.37566	16.38116
36	3.89545	5.74984	10.67840	16.25278	0.80404	0.88173	6.22828	15.84837
37	3.77350	5.59815	10.40907	15.96765	0.78688	0.86292	6.09537	15.35530
38	3.65798	5.45443	10.15392	15.72207	0.77149	0.84604	5.97616	14.90042
39	3.54838	5.31809	9.91185	15.51433	0.75778	0.83101	5.86997	14.48271
40	3.44426	5.18856	9.68189	15.34309	0.74567	0.81773	5.77616	14.10087
41	3.34522	5.06535	9.46314	15.20714	0.73509	0.80612	5.69421	13.75334
42	3.25089	4.94801	9.25482	15.10559	0.72598	0.79614	5.62364	13.43795
43	3.16095	4.83613	9.05617	15.03777	0.71829	0.78770	5.56407	13.15275
44	3.07510	4.72933	8.86656	15.00322	0.71198	0.78078	5.51515	12.89487
45	2.99307	4.62728	8.68538	15.00173	0.70701	0.77532	5.47663	12.66165
46	2.91460	4.52967	8.51207	15.03326	0.70335	0.77131	5.44828	12.44971
47	2.83947	4.43621	8.34614	15.09804	0.70098	0.76871	5.42994	12.25488
48	2.76748	4.34664	8.18713	15.19650	0.69989	0.76752	5.42154	12.07307
49	2.76748	4.34664	8.18713	15.32929	0.70008	0.76773	5.42300	12.07307
50	2.76748	4.34664	8.18713	15.49729	0.70155	0.76934	5.43435	12.07307
51	2.76748	4.34664	8.18713	15.70163	0.70430	0.77235	5.45563	12.07307
52	2.76748	4.34664	8.18713	15.94372	0.70834	0.77679	5.48699	12.07307
53	2.76748	4.34664	8.18713	16.22516	0.71371	0.78268	5.52857	12.07307
54	2.76748	4.34664	8.18713	16.54799	0.72043	0.79004	5.58062	12.07307
55	2.76748	4.34664	8.18713	16.91437	0.72854	0.79893	5.64342	12.07307
56	3.07048	4.86375	9.23128	17.32697	0.73808	0.80940	5.71732	14.98061
57	3.37350	5.38086	10.27542	17.78870	0.74910	0.82149	5.80274	17.88814
58	3.67651	5.89797	11.31958	18.30296	0.76168	0.83528	5.90016	20.79568
59	3.97951	6.41509	12.36374	18.87360	0.77588	0.85085	6.01015	23.70322
60	4.28252	6.93220	13.40789	19.50485	0.79178	0.86829	6.13334	26.61075
61	4.58553	7.44931	14.45204	20.20163	0.80948	0.88770	6.27046	29.51831
62	4.88854	7.96642	15.49619	20.96936	0.82909	0.90920	6.42232	32.42581
63	5.19156	8.48353	16.54031	21.81424	0.85072	0.93292	6.58984	35.33339
64	5.49456	9.00064	17.58447	22.74313	0.87450	0.95900	6.77405	38.24089
65	5.79757	9.51776	18.62860	23.76370	0.90058	0.98760	6.97610	41.14845

El Paso 2005 Summer Time Period 2 NOx Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HdGV	LDDV	LDDT	HDDV	MC
3	1.26815	1.61896	2.37071	3.53159	2.00733	2.22335	14.74076	0.80643
4	1.15912	1.47978	2.16690	3.56813	1.92278	2.12971	14.11993	0.77133
5	1.09371	1.39627	2.04461	3.60468	1.84442	2.04291	13.54445	0.74221
6	1.05010	1.34059	1.96309	3.64122	1.77176	1.96244	13.01089	0.71861
7	1.01895	1.30083	1.90486	3.67777	1.70438	1.88781	12.51611	0.70007
8	0.99559	1.27100	1.86119	3.71431	1.64190	1.81860	12.05726	0.68618
9	0.97742	1.24781	1.82721	3.75086	1.58395	1.75442	11.63173	0.67653
10	0.96288	1.22925	1.80004	3.78741	1.53022	1.69490	11.23717	0.67072
11	0.95099	1.21406	1.77781	3.82395	1.48042	1.63974	10.87141	0.66838
12	0.94108	1.20141	1.75928	3.86050	1.43427	1.58862	10.53251	0.66914
13	0.93269	1.19070	1.74360	3.89704	1.39153	1.54128	10.21867	0.67266
14	0.92550	1.18153	1.73016	3.93359	1.35198	1.49749	9.92827	0.67861
15	0.91927	1.17358	1.71852	3.97013	1.31543	1.45700	9.65983	0.68667
16	0.91382	1.16662	1.70832	4.00668	1.28168	1.41962	9.41201	0.69656
17	0.90901	1.16047	1.69933	4.04322	1.25057	1.38516	9.18357	0.70799
18	0.90474	1.15502	1.69134	4.07977	1.22196	1.35346	8.97342	0.72068
19	0.90091	1.15013	1.68419	4.11631	1.19569	1.32437	8.78052	0.73441
20	0.90263	1.14474	1.67729	4.15286	1.17165	1.29774	8.60399	0.74893
21	0.90853	1.14844	1.68439	4.18940	1.14973	1.27346	8.44299	0.76402
22	0.91389	1.15180	1.69084	4.22594	1.12982	1.25140	8.29677	0.77949
23	0.91878	1.15487	1.69673	4.26249	1.11183	1.23148	8.16468	0.79514
24	0.92327	1.15769	1.70213	4.29904	1.09568	1.21359	8.04609	0.81082
25	0.92740	1.16027	1.70709	4.33558	1.08130	1.19767	7.94050	0.82637
26	0.93121	1.16266	1.71168	4.37213	1.06863	1.18363	7.84744	0.84166
27	0.93474	1.16488	1.71592	4.40867	1.05760	1.17142	7.76648	0.85655
28	0.93801	1.16693	1.71987	4.44522	1.04818	1.16098	7.69727	0.87096
29	0.94106	1.16884	1.72354	4.48176	1.04032	1.15227	7.63954	0.88478
30	0.94391	1.17063	1.72696	4.51831	1.03398	1.14525	7.59300	0.89795
31	0.94657	1.17230	1.73017	4.55486	1.02914	1.13990	7.55747	0.91042
32	0.94907	1.17386	1.73317	4.59140	1.02578	1.13617	7.53280	0.92213
33	0.95141	1.17534	1.73599	4.62795	1.02388	1.13407	7.51888	0.93308
34	0.95362	1.17672	1.73865	4.66449	1.02344	1.13359	7.51564	0.94325
35	0.95570	1.17802	1.74115	4.70104	1.02446	1.13471	7.52309	0.95264
36	0.95767	1.17926	1.74352	4.73758	1.02693	1.13745	7.54124	0.96129
37	0.95953	1.18042	1.74576	4.77412	1.03087	1.14181	7.57018	0.96923
38	0.96129	1.18153	1.74787	4.81067	1.03630	1.14782	7.61003	0.97652
39	0.96296	1.18258	1.74988	4.84721	1.04323	1.15550	7.66095	0.98324
40	0.96455	1.18357	1.75180	4.88376	1.05171	1.16489	7.72318	0.98946
41	0.96606	1.18452	1.75361	4.92030	1.06176	1.17602	7.79697	0.99531
42	0.96750	1.18542	1.75534	4.95685	1.07342	1.18895	7.88266	1.00088
43	0.96887	1.18628	1.75699	4.99339	1.08676	1.20372	7.98063	1.00634
44	0.97018	1.18710	1.75857	5.02994	1.10183	1.22041	8.09127	1.01181
45	0.97143	1.18789	1.76008	5.06649	1.11870	1.23909	8.21512	1.01749
46	0.97263	1.18864	1.76151	5.10303	1.13743	1.25984	8.35271	1.02354
47	0.97377	1.18935	1.76289	5.13958	1.15813	1.28276	8.50468	1.03018
48	0.97487	1.19004	1.76421	5.17612	1.18087	1.30796	8.67171	1.03761
49	1.00547	1.23592	1.83302	5.21267	1.20578	1.33554	8.85460	1.07140
50	1.03607	1.28179	1.90184	5.24921	1.23296	1.36565	9.05418	1.10518
51	1.06667	1.32767	1.97065	5.28576	1.26254	1.39841	9.27141	1.13897
52	1.09727	1.37355	2.03947	5.32231	1.29467	1.43400	9.50737	1.17276
53	1.12787	1.41942	2.10828	5.35885	1.32950	1.47258	9.76316	1.20654
54	1.15847	1.46530	2.17710	5.39539	1.36721	1.51435	10.04008	1.24033
55	1.18907	1.51118	2.24591	5.43194	1.40799	1.55952	10.33956	1.27412
56	1.21967	1.55705	2.31472	5.46848	1.45205	1.60832	10.66307	1.30790
57	1.25027	1.60293	2.38354	5.50503	1.49961	1.66099	11.01235	1.34169
58	1.28087	1.64880	2.45235	5.54157	1.55093	1.71784	11.38920	1.37548
59	1.31147	1.69468	2.52117	5.57812	1.60628	1.77915	11.79572	1.40926
60	1.34207	1.74056	2.58998	5.61466	1.66598	1.84527	12.23410	1.44305
61	1.37268	1.78643	2.65879	5.65121	1.73035	1.91657	12.70679	1.47684
62	1.40328	1.83231	2.72761	5.68775	1.79976	1.99345	13.21650	1.51062
63	1.43388	1.87819	2.79642	5.72430	1.87461	2.07636	13.76620	1.54441
64	1.46448	1.92406	2.86524	5.76085	1.95536	2.16579	14.35915	1.57820
65	1.49508	1.96994	2.93405	5.79739	2.04248	2.26229	14.99890	1.61199

El Paso 2005 Summer Time Period 3 VOC Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HGGV	LDDV	LDDT	HDDV	MC
3	5.44830	6.22560	9.92685	12.98929	1.17600	1.57761	4.53750	16.36209
4	3.87603	4.42134	7.10870	10.30783	1.11650	1.49779	4.30793	14.20063
5	3.03452	3.45762	5.58529	8.76993	1.06094	1.42326	4.09357	12.59975
6	2.51595	2.86465	4.63948	7.72233	1.00904	1.35363	3.89330	11.39142
7	2.16633	2.46536	3.99808	6.93375	0.96052	1.28854	3.70609	10.46359
8	1.96837	2.22673	3.59726	6.39954	0.91514	1.22766	3.53098	9.73996
9	1.81535	2.04403	3.29010	5.94033	0.87267	1.17069	3.36712	9.16746
10	1.68849	1.89571	3.04228	5.53149	0.83290	1.11734	3.21368	8.70850
11	1.58065	1.77238	2.83763	5.16513	0.79564	1.06736	3.06994	8.33598
12	1.48706	1.66779	2.66536	4.83517	0.76073	1.02052	2.93520	8.03003
13	1.40446	1.57763	2.51799	4.53675	0.72798	0.97659	2.80886	7.77586
14	1.33047	1.49880	2.39018	4.26587	0.69726	0.93537	2.69031	7.56232
15	1.26338	1.42903	2.27802	4.01923	0.66842	0.89669	2.57904	7.38085
16	1.20190	1.36663	2.17859	3.79402	0.64134	0.86036	2.47455	7.22489
17	1.14503	1.31030	2.08963	3.58784	0.61589	0.82622	2.37637	7.08926
18	1.09201	1.25902	2.00940	3.39860	0.59198	0.79414	2.28411	6.96992
19	1.04222	1.21199	1.93652	3.22449	0.56950	0.76398	2.19736	6.86368
20	0.99472	1.16678	1.86492	3.07086	0.54835	0.73561	2.11577	6.76798
21	0.95738	1.12540	1.79572	2.93977	0.52845	0.70892	2.03900	6.68083
22	0.92314	1.08761	1.73265	2.81964	0.50973	0.68380	1.96674	6.60063
23	0.89159	1.05295	1.67491	2.70940	0.49210	0.66015	1.89872	6.52614
24	0.86240	1.02103	1.62183	2.60812	0.47549	0.63788	1.83466	6.45638
25	0.83528	0.99152	1.57286	2.51492	0.45986	0.61690	1.77432	6.39063
26	0.81000	0.96413	1.52753	2.42907	0.44512	0.59714	1.71748	6.32832
27	0.78634	0.93864	1.48542	2.34989	0.43124	0.57852	1.66392	6.26906
28	0.76415	0.91483	1.44619	2.27678	0.41816	0.56097	1.61345	6.21257
29	0.74326	0.89254	1.40954	2.20920	0.40584	0.54443	1.56590	6.15869
30	0.72354	0.87162	1.37523	2.14667	0.39422	0.52885	1.52108	6.10728
31	0.70488	0.85192	1.34301	2.08876	0.38327	0.51417	1.47884	6.05834
32	0.68719	0.83335	1.31270	2.03509	0.37296	0.50033	1.43904	6.01183
33	0.67037	0.81579	1.28411	1.98529	0.36324	0.48729	1.40155	5.96783
34	0.65434	0.79915	1.25711	1.93907	0.35409	0.47501	1.36623	5.92633
35	0.63905	0.78336	1.23154	1.89612	0.34547	0.46345	1.33298	5.88743
36	0.62442	0.76834	1.20730	1.85621	0.33736	0.45257	1.30168	5.85117
37	0.61041	0.75404	1.18428	1.81909	0.32973	0.44233	1.27224	5.81758
38	0.59696	0.74039	1.16237	1.78457	0.32255	0.43271	1.24456	5.78671
39	0.58404	0.72735	1.14150	1.75244	0.31581	0.42367	1.21855	5.75858
40	0.57159	0.71487	1.12158	1.72255	0.30949	0.41518	1.19413	5.73315
41	0.55960	0.70291	1.10255	1.69473	0.30355	0.40722	1.17123	5.71044
42	0.54802	0.69143	1.08434	1.66886	0.29799	0.39976	1.14979	5.69034
43	0.53683	0.68040	1.06690	1.64479	0.29279	0.39279	1.12973	5.67271
44	0.52599	0.66978	1.05017	1.62243	0.28794	0.38627	1.11100	5.65747
45	0.51550	0.65956	1.03410	1.60167	0.28341	0.38020	1.09354	5.64439
46	0.50531	0.64970	1.01866	1.58242	0.27921	0.37456	1.07730	5.63324
47	0.49542	0.64019	1.00380	1.56459	0.27530	0.36932	1.06224	5.62368
48	0.48603	0.63105	0.98949	1.54817	0.27169	0.36448	1.04831	5.61532
49	0.48405	0.62877	0.98636	1.53357	0.26837	0.36002	1.03547	5.61532
50	0.48218	0.62662	0.98340	1.52037	0.26531	0.35592	1.02369	5.61532
51	0.48042	0.62460	0.98062	1.50853	0.26253	0.35218	1.01294	5.61532
52	0.47876	0.62269	0.97799	1.49797	0.26000	0.34879	1.00318	5.61532
53	0.47719	0.62088	0.97551	1.48865	0.25772	0.34573	0.99439	5.61532
54	0.47570	0.61917	0.97316	1.48051	0.25569	0.34301	0.98655	5.61532
55	0.47429	0.61755	0.97094	1.47354	0.25389	0.34060	0.97963	5.61532
56	0.48492	0.63225	1.00022	1.46768	0.25233	0.33851	0.97361	5.72184
57	0.49561	0.64704	1.02962	1.46292	0.25100	0.33672	0.96849	5.82837
58	0.50637	0.66189	1.05911	1.45923	0.24990	0.33525	0.96423	5.93490
59	0.51718	0.67682	1.08870	1.45661	0.24902	0.33407	0.96085	6.04142
60	0.52805	0.69181	1.11838	1.45504	0.24837	0.33319	0.95831	6.14795
61	0.53898	0.70685	1.14814	1.45452	0.24793	0.33260	0.95663	6.25447
62	0.54995	0.72195	1.17797	1.45504	0.24771	0.33231	0.95579	6.36100
63	0.56096	0.73711	1.20788	1.45663	0.24771	0.33231	0.95579	6.46753
64	0.57202	0.75231	1.23785	1.45929	0.24793	0.33260	0.95663	6.57405
65	0.58312	0.76756	1.26789	1.46304	0.24837	0.33319	0.95831	6.68058

El Paso 2005 Summer Time Period 3 CO Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	30.61934	42.02235	79.30724	102.53621	4.54815	4.98763	35.23106	203.36868
4	23.85204	32.70163	61.51108	93.68295	4.19164	4.59667	32.46941	162.19099
5	19.79167	27.10921	50.83342	85.78255	3.87010	4.24407	29.97874	132.47043
6	17.08475	23.38094	43.71500	78.72147	3.57974	3.92565	27.72957	110.53906
7	15.15124	20.71790	38.63045	72.40068	3.31720	3.63774	25.69583	94.02539
8	13.70110	18.72061	34.81700	66.73407	3.07951	3.37708	23.85466	81.35860
9	12.57321	17.16718	31.85100	61.64644	2.86407	3.14082	22.18570	71.47549
10	11.67090	15.92444	29.47816	57.07211	2.66854	2.92640	20.67116	63.64073
11	10.93264	14.90764	27.53677	52.95360	2.49090	2.73159	19.29506	57.33659
12	10.31743	14.06030	25.91895	49.24045	2.32931	2.55439	18.04340	52.19160
13	9.79687	13.34333	24.55005	45.88857	2.18217	2.39304	16.90367	47.93498
14	9.35067	12.72877	23.37668	42.85896	2.04806	2.24596	15.86477	44.36650
15	8.96397	12.19616	22.35976	40.11763	1.92568	2.11176	14.91683	41.33588
16	8.62560	11.73013	21.46996	37.63423	1.81392	1.98920	14.05110	38.72922
17	8.32704	11.31892	20.68484	35.38245	1.71176	1.87716	13.25972	36.45921
18	8.06166	10.95340	19.98694	33.33859	1.61829	1.77467	12.53571	34.45854
19	7.82420	10.62635	19.36252	31.48193	1.53272	1.68082	11.87280	32.67473
20	7.50749	10.24797	18.67027	29.79427	1.45431	1.59484	11.26545	31.06708
21	7.12067	9.76670	17.81570	28.25909	1.38243	1.51601	10.70863	29.60359
22	6.76902	9.32917	17.03879	26.86208	1.31649	1.44370	10.19789	28.25964
23	6.44795	8.92969	16.32945	25.59033	1.25599	1.37735	9.72919	27.01569
24	6.15364	8.56351	15.67922	24.43253	1.20044	1.31644	9.29894	25.85695
25	5.88287	8.22661	15.08100	23.37846	1.14945	1.26052	8.90391	24.77208
26	5.63293	7.91563	14.52880	22.41917	1.10262	1.20917	8.54119	23.75230
27	5.40150	7.62769	14.01750	21.54660	1.05963	1.16202	8.20817	22.79126
28	5.18661	7.36031	13.54272	20.75352	1.02017	1.11875	7.90250	21.88402
29	4.98653	7.11138	13.10068	20.03374	0.98397	1.07905	7.62210	21.02724
30	4.79979	6.87903	12.68812	19.38145	0.95079	1.04266	7.36501	20.21849
31	4.62510	6.66168	12.30217	18.79170	0.92039	1.00933	7.12956	19.45572
32	4.46133	6.45792	11.94034	18.26007	0.89259	0.97884	6.91421	18.73766
33	4.30748	6.26650	11.60044	17.78255	0.86721	0.95100	6.71760	18.06361
34	4.16269	6.08634	11.28054	17.35564	0.84408	0.92564	6.53844	17.43231
35	4.02617	5.91648	10.97891	16.97629	0.82307	0.90260	6.37566	16.84341
36	3.89723	5.75605	10.69405	16.64178	0.80404	0.88173	6.22828	16.29558
37	3.77526	5.60430	10.42458	16.34982	0.78688	0.86292	6.09537	15.78861
38	3.65971	5.46053	10.16929	16.09836	0.77149	0.84604	5.97616	15.32089
39	3.55009	5.32414	9.92709	15.88566	0.75778	0.83101	5.86997	14.89139
40	3.44594	5.19456	9.69701	15.71031	0.74567	0.81773	5.77616	14.49878
41	3.34688	5.07131	9.47815	15.57112	0.73509	0.80612	5.69421	14.14144
42	3.25254	4.95392	9.26971	15.46714	0.72598	0.79614	5.62364	13.81715
43	3.16258	4.84200	9.07096	15.39769	0.71829	0.78770	5.56407	13.52390
44	3.07671	4.73516	8.88125	15.36232	0.71198	0.78078	5.51515	13.25875
45	2.99466	4.63307	8.69998	15.36079	0.70701	0.77532	5.47663	13.01895
46	2.91618	4.53542	8.52657	15.39307	0.70335	0.77131	5.44828	12.80102
47	2.84103	4.44193	8.36056	15.45941	0.70098	0.76871	5.42994	12.60070
48	2.76902	4.35233	8.20146	15.56023	0.69989	0.76752	5.42154	12.41376
49	2.76902	4.35233	8.20146	15.69619	0.70008	0.76773	5.42300	12.41376
50	2.76902	4.35233	8.20146	15.86821	0.70155	0.76934	5.43435	12.41376
51	2.76902	4.35233	8.20146	16.07744	0.70430	0.77235	5.45563	12.41376
52	2.76902	4.35233	8.20146	16.32532	0.70834	0.77679	5.48699	12.41376
53	2.76902	4.35233	8.20146	16.61353	0.71371	0.78268	5.52857	12.41376
54	2.76902	4.35233	8.20146	16.94406	0.72043	0.79004	5.58062	12.41376
55	2.76902	4.35233	8.20146	17.31921	0.72854	0.79893	5.64342	12.41376
56	3.07236	4.87067	9.24872	17.74168	0.73808	0.80940	5.71732	15.40335
57	3.37569	5.38902	10.29598	18.21446	0.74910	0.82149	5.80274	18.39291
58	3.67903	5.90737	11.34324	18.74103	0.76168	0.83528	5.90016	21.38249
59	3.98236	6.42572	12.39051	19.32532	0.77588	0.85085	6.01015	24.37210
60	4.28570	6.94406	13.43777	19.97168	0.79178	0.86829	6.13334	27.36165
61	4.58904	7.46241	14.48504	20.68513	0.80948	0.88770	6.27046	30.35127
62	4.89237	7.98075	15.53230	21.47125	0.82909	0.90920	6.42232	33.34081
63	5.19571	8.49910	16.57954	22.33636	0.85072	0.93292	6.58984	36.33043
64	5.49905	9.01745	17.62680	23.28748	0.87450	0.95900	6.77405	39.31999
65	5.80239	9.53580	18.67406	24.33247	0.90058	0.98760	6.97610	42.30962

El Paso 2005 Summer Time Period 3 NOx Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HdGV	LDDV	LDDT	HDDV	MC
3	1.27039	1.62168	2.37455	3.53400	2.00733	2.22335	14.74076	0.79750
4	1.16117	1.48227	2.17041	3.57057	1.92278	2.12971	14.11993	0.76280
5	1.09564	1.39862	2.04792	3.60714	1.84442	2.04291	13.54445	0.73400
6	1.05195	1.34285	1.96626	3.64371	1.77176	1.96244	13.01089	0.71065
7	1.02075	1.30302	1.90794	3.68028	1.70438	1.88781	12.51611	0.69232
8	0.99735	1.27314	1.86419	3.71685	1.64190	1.81860	12.05726	0.67859
9	0.97914	1.24990	1.83017	3.75342	1.58395	1.75442	11.63173	0.66904
10	0.96458	1.23132	1.80295	3.78999	1.53022	1.69490	11.23717	0.66330
11	0.95267	1.21611	1.78068	3.82656	1.48042	1.63974	10.87141	0.66098
12	0.94274	1.20343	1.76212	3.86313	1.43427	1.58862	10.53251	0.66173
13	0.93434	1.19271	1.74642	3.89970	1.39153	1.54128	10.21867	0.66521
14	0.92714	1.18352	1.73296	3.93627	1.35198	1.49749	9.92827	0.67110
15	0.92090	1.17555	1.72130	3.97284	1.31543	1.45700	9.65983	0.67907
16	0.91544	1.16858	1.71109	4.00941	1.28168	1.41962	9.41201	0.68885
17	0.91062	1.16243	1.70208	4.04598	1.25057	1.38516	9.18357	0.70015
18	0.90633	1.15696	1.69408	4.08255	1.22196	1.35346	8.97342	0.71271
19	0.90250	1.15207	1.68691	4.11912	1.19569	1.32437	8.78052	0.72628
20	0.90422	1.14667	1.68001	4.15569	1.17165	1.29774	8.60399	0.74064
21	0.91013	1.15037	1.68711	4.19226	1.14973	1.27346	8.44299	0.75556
22	0.91550	1.15374	1.69357	4.22883	1.12982	1.25140	8.29677	0.77086
23	0.92040	1.15681	1.69946	4.26540	1.11183	1.23148	8.16468	0.78634
24	0.92490	1.15963	1.70487	4.30197	1.09568	1.21359	8.04609	0.80185
25	0.92903	1.16222	1.70984	4.33854	1.08130	1.19767	7.94050	0.81723
26	0.93285	1.16461	1.71443	4.37511	1.06863	1.18363	7.84744	0.83234
27	0.93639	1.16683	1.71868	4.41168	1.05760	1.17142	7.76648	0.84707
28	0.93967	1.16888	1.72263	4.44825	1.04818	1.16098	7.69727	0.86131
29	0.94272	1.17080	1.72630	4.48482	1.04032	1.15227	7.63954	0.87498
30	0.94558	1.17259	1.72973	4.52139	1.03398	1.14525	7.59300	0.88801
31	0.94824	1.17426	1.73294	4.55796	1.02914	1.13990	7.55747	0.90034
32	0.95074	1.17583	1.73595	4.59453	1.02578	1.13617	7.53280	0.91193
33	0.95309	1.17730	1.73877	4.63111	1.02388	1.13407	7.51888	0.92275
34	0.95531	1.17869	1.74143	4.66767	1.02344	1.13359	7.51564	0.93280
35	0.95739	1.17999	1.74394	4.70425	1.02446	1.13471	7.52309	0.94210
36	0.95936	1.18123	1.74631	4.74081	1.02693	1.13745	7.54124	0.95065
37	0.96122	1.18239	1.74854	4.77738	1.03087	1.14181	7.57018	0.95850
38	0.96299	1.18350	1.75067	4.81395	1.03630	1.14782	7.61003	0.96571
39	0.96466	1.18455	1.75268	4.85052	1.04323	1.15550	7.66095	0.97236
40	0.96625	1.18555	1.75459	4.88709	1.05171	1.16489	7.72318	0.97851
41	0.96776	1.18649	1.75641	4.92366	1.06176	1.17602	7.79697	0.98429
42	0.96921	1.18740	1.75815	4.96023	1.07342	1.18895	7.88266	0.98980
43	0.97058	1.18826	1.75980	4.99680	1.08676	1.20372	7.98063	0.99520
44	0.97189	1.18908	1.76138	5.03338	1.10183	1.22041	8.09127	1.00061
45	0.97314	1.18987	1.76288	5.06994	1.11870	1.23909	8.21512	1.00622
46	0.97434	1.19062	1.76432	5.10651	1.13743	1.25984	8.35271	1.01221
47	0.97549	1.19134	1.76570	5.14308	1.15813	1.28276	8.50468	1.01877
48	0.97659	1.19203	1.76703	5.17966	1.18087	1.30796	8.67171	1.02612
49	1.00724	1.23798	1.83595	5.21622	1.20578	1.33554	8.85460	1.05954
50	1.03790	1.28393	1.90487	5.25280	1.23296	1.36565	9.05418	1.09295
51	1.06855	1.32988	1.97379	5.28937	1.26254	1.39841	9.27141	1.12636
52	1.09921	1.37583	2.04271	5.32594	1.29467	1.43400	9.50737	1.15977
53	1.12986	1.42179	2.11164	5.36251	1.32950	1.47258	9.76316	1.19319
54	1.16051	1.46774	2.18056	5.39907	1.36721	1.51435	10.04008	1.22660
55	1.19117	1.51369	2.24948	5.43565	1.40799	1.55952	10.33956	1.26001
56	1.22182	1.55964	2.31840	5.47221	1.45205	1.60832	10.66307	1.29343
57	1.25248	1.60559	2.38732	5.50879	1.49961	1.66099	11.01235	1.32684
58	1.28313	1.65154	2.45625	5.54535	1.55093	1.71784	11.38920	1.36025
59	1.31379	1.69750	2.52517	5.58193	1.60628	1.77915	11.79572	1.39367
60	1.34444	1.74345	2.59409	5.61850	1.66598	1.84527	12.23410	1.42708
61	1.37509	1.78940	2.66301	5.65507	1.73035	1.91657	12.70679	1.46049
62	1.40575	1.83535	2.73194	5.69164	1.79976	1.99345	13.21650	1.49390
63	1.43640	1.88131	2.80086	5.72821	1.87461	2.07636	13.76620	1.52732
64	1.46706	1.92726	2.86978	5.76478	1.95536	2.16579	14.35915	1.56073
65	1.49771	1.97321	2.93870	5.80135	2.04248	2.26229	14.99890	1.59414

El Paso 2005 Summer Time Period 4 VOC Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	3.86204	4.96710	8.17550	8.79765	1.17600	1.57761	4.53750	13.73854
4	2.86834	3.69120	6.10961	7.45265	1.11650	1.49779	4.30793	11.53504
5	2.31169	2.97118	4.93273	6.56744	1.06094	1.42326	4.09357	9.90303
6	1.95708	2.51013	4.17425	5.89621	1.00904	1.35363	3.89330	8.67119
7	1.71187	2.19011	3.64527	5.34965	0.96052	1.28854	3.70609	7.72533
8	1.55432	1.97889	3.28393	4.92415	0.91514	1.22766	3.53098	6.98762
9	1.43232	1.81446	3.00338	4.54892	0.87267	1.17069	3.36712	6.40398
10	1.33302	1.68038	2.77651	4.21224	0.83290	1.11734	3.21368	5.93610
11	1.25024	1.56838	2.58867	3.90907	0.79564	1.06736	3.06994	5.55633
12	1.17984	1.47292	2.43011	3.63525	0.76073	1.02052	2.93520	5.24443
13	1.11896	1.39020	2.29408	3.38733	0.72798	0.97659	2.80886	4.98532
14	1.06557	1.31748	2.17573	3.16234	0.69726	0.93537	2.69031	4.76762
15	1.01817	1.25277	2.07155	2.95775	0.66842	0.89669	2.57904	4.58263
16	0.97563	1.19456	1.97886	2.77134	0.64134	0.86036	2.47455	4.42363
17	0.93710	1.14170	1.89565	2.60120	0.61589	0.82622	2.37637	4.28537
18	0.90191	1.09331	1.82033	2.44564	0.59198	0.79414	2.28411	4.16371
19	0.86953	1.04868	1.75165	2.30317	0.56950	0.76398	2.19736	4.05540
20	0.83414	1.00645	1.68460	2.17497	0.54835	0.73561	2.11577	3.95784
21	0.80131	0.96930	1.62093	2.06115	0.52845	0.70892	2.03900	3.86899
22	0.77132	0.93545	1.56297	1.95691	0.50973	0.68380	1.96674	3.78723
23	0.74380	0.90445	1.50997	1.86133	0.49210	0.66015	1.89872	3.71129
24	0.71844	0.87596	1.46131	1.77360	0.47549	0.63788	1.83466	3.64018
25	0.69498	0.84967	1.41648	1.69299	0.45986	0.61690	1.77432	3.57314
26	0.67321	0.82533	1.37502	1.61885	0.44512	0.59714	1.71748	3.50963
27	0.65293	0.80273	1.33657	1.55058	0.43124	0.57852	1.66392	3.44922
28	0.63398	0.78168	1.30080	1.48768	0.41816	0.56097	1.61345	3.39163
29	0.61623	0.76201	1.26743	1.42966	0.40584	0.54443	1.56590	3.33669
30	0.59956	0.74359	1.23623	1.37610	0.39422	0.52885	1.52108	3.28429
31	0.58385	0.72630	1.20699	1.32664	0.38327	0.51417	1.47884	3.23439
32	0.56904	0.71003	1.17951	1.28092	0.37296	0.50033	1.43904	3.18698
33	0.55502	0.69469	1.15365	1.23864	0.36324	0.48729	1.40155	3.14212
34	0.54173	0.68020	1.12926	1.19952	0.35409	0.47501	1.36623	3.09982
35	0.52911	0.66648	1.10620	1.16331	0.34547	0.46345	1.33298	3.06016
36	0.51711	0.65347	1.08438	1.12978	0.33736	0.45257	1.30168	3.02320
37	0.50566	0.64111	1.06369	1.09874	0.32973	0.44233	1.27224	2.98896
38	0.49474	0.62936	1.04405	1.07000	0.32255	0.43271	1.24456	2.95749
39	0.48429	0.61816	1.02536	1.04338	0.31581	0.42367	1.21855	2.92880
40	0.47429	0.60747	1.00756	1.01875	0.30949	0.41518	1.19413	2.90288
41	0.46469	0.59726	0.99059	0.99597	0.30355	0.40722	1.17123	2.87973
42	0.45548	0.58749	0.97438	0.97490	0.29799	0.39976	1.14979	2.85924
43	0.44662	0.57814	0.95889	0.95545	0.29279	0.39279	1.12973	2.84127
44	0.43809	0.56916	0.94405	0.93750	0.28794	0.38627	1.11100	2.82573
45	0.42987	0.56054	0.92984	0.92099	0.28341	0.38020	1.09354	2.81240
46	0.42194	0.55226	0.91621	0.90581	0.27921	0.37456	1.07730	2.80103
47	0.41428	0.54429	0.90311	0.89190	0.27530	0.36932	1.06224	2.79128
48	0.40697	0.53664	0.89055	0.87924	0.27169	0.36448	1.04831	2.78276
49	0.40613	0.53569	0.88930	0.86818	0.26837	0.36002	1.03547	2.78276
50	0.40532	0.53480	0.88812	0.85829	0.26531	0.35592	1.02369	2.78276
51	0.40457	0.53395	0.88701	0.84951	0.26253	0.35218	1.01294	2.78276
52	0.40385	0.53314	0.88596	0.84180	0.26000	0.34879	1.00318	2.78276
53	0.40317	0.53239	0.88496	0.83513	0.25772	0.34573	0.99439	2.78276
54	0.40253	0.53167	0.88402	0.82946	0.25569	0.34301	0.98655	2.78276
55	0.40192	0.53098	0.88313	0.82476	0.25389	0.34060	0.97963	2.78276
56	0.41342	0.54672	0.91393	0.82101	0.25233	0.33851	0.97361	2.89136
57	0.42496	0.56250	0.94478	0.81820	0.25100	0.33672	0.96849	2.99996
58	0.43652	0.57830	0.97567	0.81630	0.24990	0.33525	0.96423	3.10855
59	0.44810	0.59413	1.00659	0.81533	0.24902	0.33407	0.96085	3.21715
60	0.45971	0.60999	1.03755	0.81526	0.24837	0.33319	0.95831	3.32575
61	0.47133	0.62587	1.06854	0.81610	0.24793	0.33260	0.95663	3.43435
62	0.48298	0.64178	1.09956	0.81786	0.24771	0.33231	0.95579	3.54294
63	0.49465	0.65770	1.13061	0.82055	0.24771	0.33231	0.95579	3.65154
64	0.50634	0.67365	1.16169	0.82418	0.24793	0.33260	0.95663	3.76014
65	0.51804	0.68962	1.19279	0.82878	0.24837	0.33319	0.95831	3.86874

El Paso 2005 Summer Time Period 4 CO Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	31.11209	42.66133	80.08563	85.31699	4.54815	4.98763	35.23106	151.21286
4	24.23730	33.20613	62.12668	77.95049	4.19164	4.59667	32.46941	120.59557
5	20.11249	27.53305	51.35133	71.37683	3.87010	4.24407	29.97874	98.49716
6	17.36261	23.75096	44.16777	65.50154	3.57974	3.92565	27.72957	82.19026
7	15.39841	21.04951	39.03665	60.24222	3.31720	3.63774	25.69583	69.91170
8	13.92525	19.02342	35.18832	55.52721	3.07951	3.37708	23.85466	60.49342
9	12.77946	17.44759	32.19519	51.29398	2.86407	3.14082	22.18570	53.14493
10	11.86283	16.18690	29.80067	47.48779	2.66854	2.92640	20.67116	47.31947
11	11.11285	15.15545	27.84151	44.06093	2.49090	2.73159	19.29506	42.63206
12	10.48787	14.29589	26.20889	40.97137	2.32931	2.55439	18.04340	38.80658
13	9.95905	13.56857	24.82744	38.18236	2.18217	2.39304	16.90367	35.64163
14	9.50576	12.94515	23.64336	35.66153	2.04806	2.24596	15.86477	32.98830
15	9.11292	12.40485	22.61711	33.38057	1.92568	2.11176	14.91683	30.73489
16	8.76918	11.93209	21.71916	31.31425	1.81392	1.98920	14.05110	28.79677
17	8.46588	11.51495	20.92686	29.44058	1.71176	1.87716	13.25972	27.10892
18	8.19628	11.14416	20.22261	27.73997	1.61829	1.77467	12.53571	25.62134
19	7.95506	10.81240	19.59247	26.19514	1.53272	1.68082	11.87280	24.29500
20	7.63297	10.42712	18.89162	24.79085	1.45431	1.59484	11.26545	23.09966
21	7.23941	9.93651	18.02544	23.51349	1.38243	1.51601	10.70863	22.01151
22	6.88163	9.49051	17.23796	22.35109	1.31649	1.44370	10.19789	21.01221
23	6.55496	9.08329	16.51898	21.29291	1.25599	1.37735	9.72919	20.08279
24	6.25552	8.71000	15.85992	20.32953	1.20044	1.31644	9.29894	19.22569
25	5.98003	8.36657	15.25357	19.45248	1.14945	1.26052	8.90391	18.41905
26	5.72573	8.04956	14.69386	18.65428	1.10262	1.20917	8.54119	17.66083
27	5.49027	7.75604	14.17561	17.92822	1.05963	1.16202	8.20817	16.94624
28	5.27163	7.48348	13.69438	17.26834	1.02017	1.11875	7.90250	16.27168
29	5.06807	7.22971	13.24633	16.66942	0.98397	1.07905	7.62210	15.63463
30	4.87807	6.99287	12.82816	16.12669	0.95079	1.04266	7.36501	15.03329
31	4.70034	6.77131	12.43697	15.63599	0.92039	1.00933	7.12956	14.46615
32	4.53371	6.56359	12.07022	15.19362	0.89259	0.97884	6.91421	13.93223
33	4.37718	6.36846	11.72570	14.79629	0.86721	0.95100	6.71760	13.43106
34	4.22986	6.18481	11.40145	14.44107	0.84408	0.92564	6.53844	12.96164
35	4.09096	6.01165	11.09573	14.12542	0.82307	0.90260	6.37566	12.52377
36	3.95977	5.84812	10.80699	13.84710	0.80404	0.88173	6.22828	12.11643
37	3.83568	5.69342	10.53386	13.60416	0.78688	0.86292	6.09537	11.73948
38	3.71811	5.54687	10.27510	13.39493	0.77149	0.84604	5.97616	11.39171
39	3.60658	5.40783	10.02961	13.21795	0.75778	0.83101	5.86997	11.07236
40	3.50062	5.27574	9.79640	13.07204	0.74567	0.81773	5.77616	10.78043
41	3.39983	5.15010	9.57456	12.95622	0.73509	0.80612	5.69421	10.51474
42	3.30384	5.03044	9.36329	12.86970	0.72598	0.79614	5.62364	10.27362
43	3.21232	4.91634	9.16184	12.81192	0.71829	0.78770	5.56407	10.05557
44	3.12495	4.80743	8.96956	12.78248	0.71198	0.78078	5.51515	9.85842
45	3.04147	4.70336	8.78581	12.78121	0.70701	0.77532	5.47663	9.68012
46	2.96162	4.60382	8.61006	12.80807	0.70335	0.77131	5.44828	9.51808
47	2.88516	4.50851	8.44178	12.86327	0.70098	0.76871	5.42994	9.36913
48	2.81190	4.41718	8.28052	12.94715	0.69989	0.76752	5.42154	9.23014
49	2.81190	4.41718	8.28052	13.06029	0.70008	0.76773	5.42300	9.23014
50	2.81190	4.41718	8.28052	13.20342	0.70155	0.76934	5.43435	9.23014
51	2.81190	4.41718	8.28052	13.37752	0.70430	0.77235	5.45563	9.23014
52	2.81190	4.41718	8.28052	13.58378	0.70834	0.77679	5.48699	9.23014
53	2.81190	4.41718	8.28052	13.82357	0.71371	0.78268	5.52857	9.23014
54	2.81190	4.41718	8.28052	14.09861	0.72043	0.79004	5.58062	9.23014
55	2.81190	4.41718	8.28052	14.41077	0.72854	0.79893	5.64342	9.23014
56	3.11945	4.94086	9.33391	14.76229	0.73808	0.80940	5.71732	11.45301
57	3.42700	5.46455	10.38731	15.15568	0.74910	0.82149	5.80274	13.67591
58	3.73456	5.98824	11.44071	15.59382	0.76168	0.83528	5.90016	15.89879
59	4.04211	6.51193	12.49411	16.07999	0.77588	0.85085	6.01015	18.12167
60	4.34967	7.03562	13.54750	16.61780	0.79178	0.86829	6.13334	20.34453
61	4.65723	7.55931	14.60090	17.21144	0.80948	0.88770	6.27046	22.56741
62	4.96478	8.08299	15.65429	17.86555	0.82909	0.90920	6.42232	24.79025
63	5.27234	8.60669	16.70766	18.58536	0.85072	0.93292	6.58984	27.01315
64	5.57989	9.13037	17.76105	19.37675	0.87450	0.95900	6.77405	29.23604
65	5.88745	9.65406	18.81444	20.24628	0.90058	0.98760	6.97610	31.45892

El Paso 2005 Summer Time Period 4 NOx Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDBGV	LDDV	LDDT	HDDV	MC
3	1.27102	1.62062	2.36940	3.36708	2.00733	2.22335	14.74076	0.92604
4	1.16175	1.48129	2.16571	3.40192	1.92278	2.12971	14.11993	0.88574
5	1.09619	1.39769	2.04348	3.43677	1.84442	2.04291	13.54445	0.85230
6	1.05248	1.34196	1.96200	3.47161	1.77176	1.96244	13.01089	0.82519
7	1.02126	1.30216	1.90381	3.50645	1.70438	1.88781	12.51611	0.80391
8	0.99785	1.27230	1.86016	3.54130	1.64190	1.81860	12.05726	0.78796
9	0.97964	1.24908	1.82620	3.57614	1.58395	1.75442	11.63173	0.77688
10	0.96507	1.23050	1.79904	3.61098	1.53022	1.69490	11.23717	0.77021
11	0.95315	1.21531	1.77682	3.64582	1.48042	1.63974	10.87141	0.76751
12	0.94321	1.20264	1.75830	3.68066	1.43427	1.58862	10.53251	0.76839
13	0.93481	1.19192	1.74263	3.71551	1.39153	1.54128	10.21867	0.77243
14	0.92760	1.18274	1.72921	3.75035	1.35198	1.49749	9.92827	0.77926
15	0.92136	1.17478	1.71757	3.78520	1.31543	1.45700	9.65983	0.78853
16	0.91590	1.16781	1.70738	3.82004	1.28168	1.41962	9.41201	0.79988
17	0.91107	1.16166	1.69839	3.85488	1.25057	1.38516	9.18357	0.81300
18	0.90679	1.15620	1.69041	3.88972	1.22196	1.35346	8.97342	0.82758
19	0.90296	1.15131	1.68326	3.92457	1.19569	1.32437	8.78052	0.84334
20	0.90468	1.14588	1.67630	3.95941	1.17165	1.29774	8.60399	0.86001
21	0.91059	1.14954	1.68330	3.99425	1.14973	1.27346	8.44299	0.87734
22	0.91596	1.15287	1.68966	4.02909	1.12982	1.25140	8.29677	0.89511
23	0.92086	1.15590	1.69547	4.06394	1.11183	1.23148	8.16468	0.91309
24	0.92536	1.15869	1.70080	4.09878	1.09568	1.21359	8.04609	0.93109
25	0.92949	1.16125	1.70570	4.13362	1.08130	1.19767	7.94050	0.94895
26	0.93331	1.16361	1.71022	4.16846	1.06863	1.18363	7.84744	0.96650
27	0.93685	1.16580	1.71441	4.20331	1.05760	1.17142	7.76648	0.98360
28	0.94013	1.16783	1.71830	4.23815	1.04818	1.16098	7.69727	1.00014
29	0.94318	1.16973	1.72192	4.27299	1.04032	1.15227	7.63954	1.01601
30	0.94604	1.17149	1.72529	4.30784	1.03398	1.14525	7.59300	1.03114
31	0.94870	1.17315	1.72845	4.34268	1.02914	1.13990	7.55747	1.04546
32	0.95120	1.17469	1.73142	4.37752	1.02578	1.13617	7.53280	1.05891
33	0.95355	1.17615	1.73420	4.41236	1.02388	1.13407	7.51888	1.07148
34	0.95577	1.17752	1.73682	4.44721	1.02344	1.13359	7.51564	1.08315
35	0.95785	1.17881	1.73929	4.48205	1.02446	1.13471	7.52309	1.09394
36	0.95982	1.18003	1.74162	4.51689	1.02693	1.13745	7.54124	1.10387
37	0.96168	1.18118	1.74383	4.55173	1.03087	1.14181	7.57018	1.11300
38	0.96345	1.18227	1.74592	4.58658	1.03630	1.14782	7.61003	1.12137
39	0.96512	1.18331	1.74790	4.62142	1.04323	1.15550	7.66095	1.12908
40	0.96671	1.18430	1.74979	4.65626	1.05171	1.16489	7.72318	1.13623
41	0.96822	1.18524	1.75158	4.69110	1.06176	1.17602	7.79697	1.14294
42	0.96967	1.18613	1.75329	4.72595	1.07342	1.18895	7.88266	1.14934
43	0.97104	1.18698	1.75492	4.76079	1.08676	1.20372	7.98063	1.15560
44	0.97235	1.18779	1.75647	4.79564	1.10183	1.22041	8.09127	1.16189
45	0.97360	1.18857	1.75796	4.83048	1.11870	1.23909	8.21512	1.16841
46	0.97480	1.18931	1.75937	4.86532	1.13743	1.25984	8.35271	1.17536
47	0.97595	1.19002	1.76073	4.90016	1.15813	1.28276	8.50468	1.18298
48	0.97705	1.19070	1.76204	4.93501	1.18087	1.30796	8.67171	1.19151
49	1.00770	1.23658	1.83071	4.96985	1.20578	1.33554	8.85460	1.23031
50	1.03835	1.28246	1.89939	5.00470	1.23296	1.36565	9.05418	1.26911
51	1.06900	1.32833	1.96807	5.03953	1.26254	1.39841	9.27141	1.30791
52	1.09965	1.37421	2.03675	5.07438	1.29467	1.43400	9.50737	1.34671
53	1.13030	1.42009	2.10543	5.10922	1.32950	1.47258	9.76316	1.38551
54	1.16095	1.46597	2.17411	5.14406	1.36721	1.51435	10.04008	1.42430
55	1.19161	1.51185	2.24279	5.17891	1.40799	1.55952	10.33956	1.46310
56	1.22226	1.55772	2.31147	5.21375	1.45205	1.60832	10.66307	1.50190
57	1.25291	1.60360	2.38015	5.24859	1.49961	1.66099	11.01235	1.54070
58	1.28356	1.64948	2.44883	5.28343	1.55093	1.71784	11.38920	1.57950
59	1.31421	1.69536	2.51751	5.31828	1.60628	1.77915	11.79572	1.61830
60	1.34486	1.74124	2.58619	5.35312	1.66598	1.84527	12.23410	1.65709
61	1.37551	1.78712	2.65487	5.38796	1.73035	1.91657	12.70679	1.69589
62	1.40616	1.83299	2.72355	5.42281	1.79976	1.99345	13.21650	1.73469
63	1.43681	1.87887	2.79223	5.45765	1.87461	2.07636	13.76620	1.77349
64	1.46746	1.92475	2.86091	5.49249	1.95536	2.16579	14.35915	1.81229
65	1.49811	1.97063	2.92959	5.52734	2.04248	2.26229	14.99890	1.85108

El Paso 2005 Winter Time Period 1 VOC Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	5.00765	6.92418	11.95877	9.46852	1.19779	1.57919	4.55730	16.50023
4	3.89617	5.36405	9.25372	8.64335	1.13719	1.49929	4.32672	13.58642
5	3.22928	4.42796	7.63070	7.90320	1.08061	1.42469	4.11142	11.42831
6	2.78469	3.80391	6.54868	7.23845	1.02774	1.35499	3.91028	9.79937
7	2.46712	3.35816	5.77581	6.64063	0.97832	1.28983	3.72225	8.54859
8	2.22895	3.02384	5.19616	6.10231	0.93210	1.22889	3.54638	7.57307
9	2.04370	2.76382	4.74531	5.61694	0.88884	1.17186	3.38180	6.80129
10	1.89551	2.55580	4.38464	5.17877	0.84834	1.11846	3.22770	6.18258
11	1.77425	2.38560	4.08955	4.78273	0.81039	1.06843	3.08333	5.68039
12	1.67321	2.24377	3.84363	4.42431	0.77483	1.02154	2.94800	5.26794
13	1.58771	2.12376	3.63555	4.09955	0.74147	0.97757	2.82111	4.92531
14	1.51443	2.02090	3.45720	3.80495	0.71018	0.93631	2.70204	4.63743
15	1.45092	1.93174	3.30262	3.53738	0.68081	0.89759	2.59029	4.39280
16	1.39534	1.85374	3.16737	3.29409	0.65322	0.86122	2.48534	4.18255
17	1.34631	1.78491	3.04803	3.07264	0.62731	0.82705	2.38674	3.99971
18	1.30272	1.72373	2.94196	2.87084	0.60295	0.79494	2.29407	3.83883
19	1.26372	1.66898	2.84704	2.68675	0.58005	0.76475	2.20695	3.69561
20	1.21447	1.61071	2.74940	2.51865	0.55851	0.73635	2.12500	3.56660
21	1.16207	1.54735	2.64256	2.36498	0.53825	0.70963	2.04789	3.44911
22	1.11444	1.48975	2.54543	2.22439	0.51917	0.68449	1.97532	3.34100
23	1.07094	1.43717	2.45675	2.09563	0.50122	0.66081	1.90700	3.24057
24	1.03107	1.38897	2.37546	1.97760	0.48431	0.63852	1.84266	3.14654
25	0.99440	1.34462	2.30067	1.86932	0.46838	0.61752	1.78206	3.05790
26	0.96054	1.30368	2.23163	1.76991	0.45337	0.59774	1.72497	2.97390
27	0.92919	1.26578	2.16771	1.67857	0.43924	0.57910	1.67118	2.89402
28	0.90008	1.23059	2.10835	1.59459	0.42591	0.56153	1.62049	2.81787
29	0.87298	1.19782	2.05309	1.51733	0.41336	0.54498	1.57273	2.74522
30	0.84768	1.16723	2.00151	1.44621	0.40153	0.52938	1.52771	2.67592
31	0.82402	1.13862	1.95326	1.38071	0.39038	0.51468	1.48529	2.60994
32	0.80183	1.11180	1.90802	1.32037	0.37987	0.50083	1.44532	2.54725
33	0.78099	1.08660	1.86553	1.26477	0.36998	0.48778	1.40766	2.48793
34	0.76138	1.06289	1.82553	1.21352	0.36065	0.47549	1.37219	2.43199
35	0.74288	1.04053	1.78782	1.16628	0.35188	0.46392	1.33880	2.37955
36	0.72541	1.01941	1.75221	1.12274	0.34361	0.45303	1.30736	2.33066
37	0.70889	0.99943	1.71852	1.08263	0.33584	0.44278	1.27779	2.28539
38	0.69324	0.98051	1.68660	1.04568	0.32853	0.43314	1.24998	2.24377
39	0.67839	0.96255	1.65632	1.01167	0.32167	0.42409	1.22386	2.20584
40	0.66428	0.94550	1.62756	0.98039	0.31522	0.41559	1.19934	2.17156
41	0.65086	0.92927	1.60020	0.95165	0.30918	0.40763	1.17634	2.14094
42	0.63808	0.91382	1.57414	0.92530	0.30352	0.40016	1.15480	2.11385
43	0.62590	0.89909	1.54929	0.90116	0.29822	0.39318	1.13466	2.09008
44	0.61427	0.88502	1.52557	0.87912	0.29328	0.38666	1.11584	2.06954
45	0.60315	0.87158	1.50291	0.85903	0.28867	0.38058	1.09831	2.05191
46	0.59252	0.85873	1.48123	0.84080	0.28438	0.37493	1.08200	2.03688
47	0.58234	0.84642	1.46048	0.82432	0.28041	0.36969	1.06687	2.02399
48	0.57258	0.83463	1.44059	0.80951	0.27673	0.36484	1.05288	2.01272
49	0.57258	0.83463	1.44059	0.79628	0.27334	0.36038	1.03999	2.01272
50	0.57258	0.83463	1.44059	0.78457	0.27023	0.35628	1.02816	2.01272
51	0.57258	0.83463	1.44059	0.77432	0.26739	0.35253	1.01736	2.01272
52	0.57258	0.83463	1.44059	0.76547	0.26482	0.34914	1.00756	2.01272
53	0.57258	0.83463	1.44059	0.75797	0.26250	0.34608	0.99873	2.01272
54	0.57258	0.83463	1.44059	0.75179	0.26043	0.34335	0.99085	2.01272
55	0.57258	0.83463	1.44059	0.74691	0.25860	0.34094	0.98390	2.01272
56	0.59489	0.86598	1.49888	0.74328	0.25701	0.33885	0.97786	2.15632
57	0.61719	0.89734	1.55717	0.74090	0.25566	0.33706	0.97271	2.29993
58	0.63950	0.92869	1.61546	0.73976	0.25453	0.33558	0.96844	2.44354
59	0.66180	0.96005	1.67376	0.73984	0.25364	0.33440	0.96504	2.58714
60	0.68411	0.99140	1.73205	0.74115	0.25297	0.33352	0.96249	2.73075
61	0.70641	1.02276	1.79034	0.74369	0.25253	0.33293	0.96080	2.87435
62	0.72871	1.05411	1.84863	0.74748	0.25230	0.33264	0.95995	3.01796
63	0.75102	1.08547	1.90692	0.75254	0.25230	0.33264	0.95995	3.16156
64	0.77332	1.11682	1.96522	0.75889	0.25253	0.33294	0.96080	3.30517
65	0.79563	1.14817	2.02351	0.76656	0.25297	0.33352	0.96249	3.44878

El Paso 2005 Winter Time Period 1 CO Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HGV	LDDV	LDDT	HDDV	MC
3	61.37898	84.74867	137.26111	105.99016	4.58824	4.98982	35.36064	218.33461
4	47.84702	66.14627	106.68533	96.83867	4.22858	4.59868	32.58882	174.12663
5	39.72783	54.98489	88.33986	88.67212	3.90422	4.24593	30.08900	142.21893
6	34.31506	47.54393	76.10951	81.37323	3.61130	3.92737	27.83154	118.67366
7	30.44875	42.22896	67.37357	74.83951	3.34644	3.63933	25.79033	100.94473
8	27.54906	38.24277	60.82161	68.98201	3.10666	3.37856	23.94238	87.34579
9	25.29373	35.14238	55.72566	63.72302	2.88931	3.14219	22.26729	76.73538
10	23.48950	32.66206	51.64890	58.99461	2.69206	2.92768	20.74719	68.32408
11	22.01329	30.63268	48.31334	54.73735	2.51285	2.73278	19.36603	61.55602
12	20.78311	28.94159	45.53372	50.89914	2.34984	2.55551	18.10976	56.03244
13	19.74220	27.51064	43.18175	47.43434	2.20141	2.39408	16.96584	51.46255
14	18.84998	26.28410	41.16577	44.30264	2.06611	2.24694	15.92312	47.63147
15	18.07674	25.22110	39.41855	41.46899	1.94266	2.11269	14.97169	44.37781
16	17.40015	24.29099	37.88977	38.90199	1.82991	1.99007	14.10278	41.57927
17	16.80315	23.47032	36.54085	36.57434	1.72685	1.87799	13.30849	39.14224
18	16.27249	22.74081	35.34183	34.46162	1.63256	1.77544	12.58181	36.99432
19	15.79770	22.08810	34.26900	32.54247	1.54623	1.68156	11.91647	35.07928
20	15.15736	21.30188	33.05887	30.79793	1.46713	1.59554	11.30688	33.35330
21	14.37178	20.27618	31.51662	29.21103	1.39462	1.51667	10.74802	31.78217
22	13.65762	19.34373	30.11452	27.76694	1.32810	1.44434	10.23539	30.33928
23	13.00555	18.49239	28.83441	26.45241	1.26706	1.37796	9.76497	29.00380
24	12.40783	17.71198	27.66095	25.25554	1.21103	1.31702	9.33314	27.75975
25	11.85792	16.99402	26.58134	24.16599	1.15958	1.26107	8.93665	26.59502
26	11.35032	16.33127	25.58478	23.17441	1.11234	1.20970	8.57260	25.50023
27	10.88031	15.71761	24.66206	22.27238	1.06897	1.16253	8.23836	24.46846
28	10.44387	15.14779	23.80527	21.45261	1.02917	1.11924	7.93157	23.49448
29	10.03754	14.61726	23.00754	20.70857	0.99265	1.07952	7.65013	22.57463
30	9.65829	14.12210	22.26297	20.03433	0.95917	1.04311	7.39210	21.70634
31	9.30351	13.65888	21.56647	19.42473	0.92850	1.00977	7.15578	20.88748
32	8.97091	13.22462	20.91348	18.87515	0.90046	0.97927	6.93964	20.11656
33	8.65846	12.81668	20.30008	18.38155	0.87485	0.95142	6.74230	19.39293
34	8.36439	12.43273	19.72276	17.94026	0.85152	0.92605	6.56249	18.71513
35	8.08713	12.07072	19.17842	17.54814	0.83032	0.90299	6.39911	18.08290
36	7.82526	11.72883	18.66434	17.20238	0.81113	0.88212	6.25118	17.49477
37	7.57756	11.40541	18.17804	16.90056	0.79382	0.86329	6.11779	16.95047
38	7.34289	11.09901	17.71733	16.64064	0.77829	0.84641	5.99814	16.44835
39	7.12026	10.80833	17.28027	16.42078	0.76446	0.83137	5.89156	15.98726
40	6.90875	10.53219	16.86502	16.23952	0.75225	0.81809	5.79740	15.56575
41	6.70757	10.26951	16.47006	16.09563	0.74157	0.80648	5.71515	15.18212
42	6.51596	10.01934	16.09390	15.98815	0.73238	0.79648	5.64432	14.83396
43	6.33327	9.78081	15.73524	15.91637	0.72462	0.78805	5.58453	14.51913
44	6.15888	9.55312	15.39288	15.87980	0.71825	0.78112	5.53544	14.23446
45	5.99224	9.33555	15.06573	15.87823	0.71324	0.77566	5.49677	13.97701
46	5.83284	9.12744	14.75280	15.91159	0.70955	0.77165	5.46831	13.74305
47	5.68023	8.92818	14.45319	15.98016	0.70716	0.76905	5.44991	13.52799
48	5.53398	8.73723	14.16607	16.08437	0.70606	0.76786	5.44147	13.32729
49	5.53398	8.73723	14.16607	16.22491	0.70625	0.76807	5.44295	13.32729
50	5.53398	8.73723	14.16607	16.40273	0.70773	0.76967	5.45434	13.32729
51	5.53398	8.73723	14.16607	16.61902	0.71050	0.77269	5.47570	13.32729
52	5.53398	8.73723	14.16607	16.87524	0.71459	0.77713	5.50717	13.32729
53	5.53398	8.73723	14.16607	17.17314	0.72000	0.78302	5.54890	13.32729
54	5.53398	8.73723	14.16607	17.51482	0.72678	0.79039	5.60114	13.32729
55	5.53398	8.73723	14.16607	17.90260	0.73496	0.79928	5.66417	13.32729
56	6.13962	9.71829	15.91476	18.33932	0.74458	0.80975	5.73835	16.53688
57	6.74526	10.69935	17.66342	18.82802	0.75571	0.82185	5.82408	19.74646
58	7.35089	11.68041	19.41212	19.37233	0.76840	0.83565	5.92186	22.95604
59	7.95654	12.66148	21.16080	19.97632	0.78272	0.85122	6.03225	26.16563
60	8.56217	13.64254	22.90952	20.64444	0.79876	0.86867	6.15589	29.37520
61	9.16782	14.62360	24.65817	21.38191	0.81662	0.88809	6.29352	32.58481
62	9.77345	15.60466	26.40686	22.19453	0.83640	0.90960	6.44594	35.79437
63	10.37909	16.58571	28.15556	23.08876	0.85821	0.93333	6.61407	39.00400
64	10.98473	17.56674	29.90425	24.07190	0.88220	0.95942	6.79896	42.21359
65	11.59037	18.54781	31.65295	25.15213	0.90852	0.98803	7.00175	45.42317

El Paso 2005 Winter Time Period 1 NOx Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDTV	LDDV	LDDT	HDDV	MC
3	1.66713	2.11469	3.00651	3.64917	2.04670	2.23067	15.01585	1.11001
4	1.52380	1.93288	2.74804	3.68693	1.96050	2.13672	14.38343	1.06171
5	1.43781	1.82380	2.59295	3.72469	1.88060	2.04964	13.79721	1.02163
6	1.38048	1.75108	2.48956	3.76246	1.80652	1.96889	13.25370	0.98913
7	1.33953	1.69914	2.41572	3.80022	1.73782	1.89402	12.74968	0.96362
8	1.30882	1.66018	2.36033	3.83798	1.67411	1.82459	12.28226	0.94450
9	1.28493	1.62988	2.31725	3.87574	1.61502	1.76019	11.84880	0.93122
10	1.26582	1.60564	2.28279	3.91350	1.56024	1.70048	11.44687	0.92322
11	1.25018	1.58580	2.25459	3.95127	1.50946	1.64513	11.07429	0.91999
12	1.23715	1.56928	2.23109	3.98903	1.46240	1.59385	10.72907	0.92104
13	1.22613	1.55529	2.21121	4.02679	1.41883	1.54636	10.40937	0.92589
14	1.21668	1.54331	2.19417	4.06455	1.37851	1.50241	10.11355	0.93408
15	1.20849	1.53292	2.17940	4.10231	1.34123	1.46179	9.84010	0.94518
16	1.20132	1.52383	2.16648	4.14007	1.30682	1.42429	9.58766	0.95879
17	1.19500	1.51581	2.15507	4.17784	1.27511	1.38972	9.35496	0.97452
18	1.18938	1.50868	2.14493	4.21560	1.24593	1.35792	9.14087	0.99200
19	1.18435	1.50230	2.13587	4.25336	1.21915	1.32873	8.94438	1.01089
20	1.18659	1.49541	2.12728	4.29112	1.19463	1.30201	8.76455	1.03087
21	1.19440	1.50037	2.13636	4.32888	1.17228	1.27765	8.60055	1.05164
22	1.20150	1.50488	2.14462	4.36664	1.15198	1.25552	8.45160	1.07293
23	1.20798	1.50899	2.15215	4.40441	1.13364	1.23553	8.31704	1.09449
24	1.21391	1.51276	2.15906	4.44217	1.11717	1.21759	8.19625	1.11607
25	1.21938	1.51623	2.16542	4.47993	1.10251	1.20161	8.08868	1.13747
26	1.22442	1.51943	2.17128	4.51769	1.08959	1.18753	7.99388	1.15851
27	1.22909	1.52240	2.17671	4.55545	1.07835	1.17528	7.91141	1.17901
28	1.23343	1.52515	2.18176	4.59321	1.06874	1.16480	7.84092	1.19884
29	1.23747	1.52772	2.18645	4.63098	1.06072	1.15607	7.78210	1.21786
30	1.24124	1.53011	2.19084	4.66874	1.05426	1.14902	7.73470	1.23599
31	1.24476	1.53235	2.19494	4.70650	1.04933	1.14365	7.69850	1.25315
32	1.24807	1.53445	2.19878	4.74426	1.04590	1.13991	7.67338	1.26928
33	1.25117	1.53642	2.20240	4.78203	1.04397	1.13781	7.65919	1.28435
34	1.25409	1.53827	2.20579	4.81979	1.04352	1.13732	7.65589	1.29834
35	1.25685	1.54002	2.20900	4.85755	1.04456	1.13844	7.66348	1.31127
36	1.25945	1.54168	2.21203	4.89531	1.04707	1.14119	7.68197	1.32318
37	1.26191	1.54324	2.21489	4.93307	1.05109	1.14557	7.71145	1.33411
38	1.26425	1.54472	2.21760	4.97084	1.05663	1.15160	7.75204	1.34415
39	1.26646	1.54613	2.22017	5.00860	1.06370	1.15931	7.80391	1.35339
40	1.26856	1.54746	2.22262	5.04636	1.07234	1.16872	7.86731	1.36196
41	1.27056	1.54873	2.22494	5.08412	1.08258	1.17989	7.94248	1.37000
42	1.27246	1.54994	2.22716	5.12189	1.09448	1.19286	8.02977	1.37768
43	1.27428	1.55109	2.22927	5.15965	1.10808	1.20768	8.12956	1.38518
44	1.27601	1.55219	2.23129	5.19741	1.12345	1.22443	8.24227	1.39272
45	1.27767	1.55324	2.23321	5.23517	1.14064	1.24317	8.36842	1.40053
46	1.27925	1.55425	2.23505	5.27293	1.15975	1.26399	8.50859	1.40887
47	1.28076	1.55521	2.23682	5.31069	1.18085	1.28699	8.66339	1.41800
48	1.28222	1.55614	2.23851	5.34846	1.20404	1.31226	8.83354	1.42823
49	1.32290	1.61623	2.32599	5.38622	1.22943	1.33994	9.01984	1.47474
50	1.36357	1.67633	2.41347	5.42398	1.25714	1.37014	9.22315	1.52124
51	1.40425	1.73643	2.50096	5.46174	1.28730	1.40301	9.44443	1.56775
52	1.44493	1.79653	2.58845	5.49951	1.32006	1.43872	9.68479	1.61425
53	1.48560	1.85663	2.67593	5.53726	1.35558	1.47743	9.94536	1.66076
54	1.52628	1.91673	2.76342	5.57503	1.39403	1.51933	10.22745	1.70727
55	1.56696	1.97683	2.85090	5.61279	1.43561	1.56465	10.53251	1.75377
56	1.60764	2.03693	2.93839	5.65055	1.48053	1.61361	10.86206	1.80028
57	1.64832	2.09703	3.02587	5.68831	1.52902	1.66646	11.21786	1.84679
58	1.68900	2.15713	3.11336	5.72607	1.58135	1.72349	11.60174	1.89329
59	1.72967	2.21723	3.20084	5.76384	1.63779	1.78501	12.01584	1.93980
60	1.77035	2.27733	3.28833	5.80160	1.69866	1.85134	12.46241	1.98631
61	1.81103	2.33743	3.37581	5.83936	1.76430	1.92288	12.94392	2.03281
62	1.85171	2.39753	3.46330	5.87712	1.83507	2.00001	13.46314	2.07932
63	1.89239	2.45763	3.55078	5.91488	1.91139	2.08319	14.02310	2.12582
64	1.93306	2.51773	3.63827	5.95265	1.99372	2.17292	14.62711	2.17233
65	1.97374	2.57783	3.72575	5.99041	2.08254	2.26973	15.27880	2.21884

El Paso 2005 Winter Time Period 2 VOC Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDTV	LDDV	LDDT	HDDV	MC
3	7.53755	8.31159	13.06984	14.21749	1.19779	1.57919	4.55730	14.51358
4	5.42713	5.96794	9.47675	11.18849	1.13719	1.49929	4.32672	12.06850
5	4.27939	4.69714	7.50372	9.43744	1.08061	1.42469	4.11142	10.25756
6	3.56361	3.90636	6.26454	8.23802	1.02774	1.35499	3.91028	8.89067
7	3.07652	3.36915	5.41673	7.33187	0.97832	1.28983	3.72225	7.84111
8	2.79021	3.03093	4.86453	6.71509	0.93210	1.22889	3.54638	7.02252
9	2.56687	2.77041	4.43924	6.18311	0.88884	1.17186	3.38180	6.37490
10	2.38095	2.55920	4.09636	5.70812	0.84834	1.11846	3.22770	5.85572
11	2.22225	2.38387	3.81341	5.28132	0.81039	1.06843	3.08333	5.43432
12	2.08396	2.23545	3.57541	4.89585	0.77483	1.02154	2.94800	5.08822
13	1.96138	2.10771	3.37197	4.54626	0.74147	0.97757	2.82111	4.80071
14	1.85113	1.99623	3.19571	4.22803	0.71018	0.93631	2.70204	4.55914
15	1.75074	1.89777	3.04117	3.93743	0.68081	0.89759	2.59029	4.35387
16	1.65839	1.80987	2.90429	3.67126	0.65322	0.86122	2.48534	4.17744
17	1.57263	1.73068	2.78195	3.42679	0.62731	0.82705	2.38674	4.02402
18	1.49238	1.65874	2.67174	3.20166	0.60295	0.79494	2.29407	3.88902
19	1.41676	1.59291	2.57172	2.99384	0.58005	0.76475	2.20695	3.76883
20	1.34628	1.53031	2.47556	2.81297	0.55851	0.73635	2.12500	3.66058
21	1.29324	1.47229	2.38050	2.66321	0.53825	0.70963	2.04789	3.56199
22	1.24469	1.41949	2.29403	2.52600	0.51917	0.68449	1.97532	3.47127
23	1.20004	1.37123	2.21502	2.40009	0.50122	0.66081	1.90700	3.38700
24	1.15880	1.32694	2.14256	2.28441	0.48431	0.63852	1.84266	3.30809
25	1.12056	1.28615	2.07585	2.17799	0.46838	0.61752	1.78206	3.23371
26	1.08498	1.24844	2.01422	2.07996	0.45337	0.59774	1.72497	3.16323
27	1.05176	1.21349	1.95712	1.98957	0.43924	0.57910	1.67118	3.09620
28	1.02064	1.18099	1.90405	1.90612	0.42591	0.56153	1.62049	3.03229
29	0.99142	1.15069	1.85461	1.82900	0.41336	0.54498	1.57273	2.97134
30	0.96390	1.12237	1.80842	1.75765	0.40153	0.52938	1.52771	2.91319
31	0.93792	1.09584	1.76518	1.69160	0.39038	0.51468	1.48529	2.85782
32	0.91332	1.07093	1.72460	1.63038	0.37987	0.50083	1.44532	2.80521
33	0.89000	1.04749	1.68645	1.57361	0.36998	0.48778	1.40766	2.75543
34	0.86782	1.02539	1.65051	1.52092	0.36065	0.47549	1.37219	2.70849
35	0.84671	1.00453	1.61659	1.47198	0.35188	0.46392	1.33880	2.66449
36	0.82656	0.98479	1.58452	1.42652	0.34361	0.45303	1.30736	2.62347
37	0.80730	0.96608	1.55415	1.38425	0.33584	0.44278	1.27779	2.58548
38	0.78885	0.94833	1.52536	1.34495	0.32853	0.43314	1.24998	2.55055
39	0.77117	0.93146	1.49801	1.30839	0.32167	0.42409	1.22386	2.51873
40	0.75418	0.91540	1.47200	1.27439	0.31522	0.41559	1.19934	2.48996
41	0.73784	0.90009	1.44722	1.24277	0.30918	0.40763	1.17634	2.46427
42	0.72210	0.88549	1.42361	1.21337	0.30352	0.40016	1.15480	2.44153
43	0.70692	0.87154	1.40106	1.18605	0.29822	0.39318	1.13466	2.42159
44	0.69227	0.85819	1.37952	1.16067	0.29328	0.38666	1.11584	2.40435
45	0.67810	0.84541	1.35890	1.13712	0.28867	0.38058	1.09831	2.38956
46	0.66438	0.83316	1.33916	1.11530	0.28438	0.37493	1.08200	2.37695
47	0.65109	0.82141	1.32023	1.09511	0.28041	0.36969	1.06687	2.36613
48	0.63846	0.81005	1.30195	1.07654	0.27673	0.36484	1.05288	2.35667
49	0.63628	0.80757	1.29863	1.06014	0.27334	0.36038	1.03999	2.35667
50	0.63422	0.80524	1.29551	1.04534	0.27023	0.35628	1.02816	2.35667
51	0.63229	0.80304	1.29257	1.03207	0.26739	0.35253	1.01736	2.35667
52	0.63046	0.80097	1.28980	1.02026	0.26482	0.34914	1.00756	2.35667
53	0.62874	0.79901	1.28718	1.00985	0.26250	0.34608	0.99873	2.35667
54	0.62711	0.79716	1.28471	1.00079	0.26043	0.34335	0.99085	2.35667
55	0.62557	0.79540	1.28236	0.99305	0.25860	0.34094	0.98390	2.35667
56	0.62322	0.81845	1.32601	0.98659	0.25701	0.33885	0.97786	2.47718
57	0.65915	0.84158	1.36977	0.98137	0.25566	0.33706	0.97271	2.59768
58	0.67606	0.86479	1.41363	0.97738	0.25453	0.33558	0.96844	2.71818
59	0.69302	0.88807	1.45760	0.97459	0.25364	0.33440	0.96504	2.83869
60	0.71005	0.91143	1.50166	0.97301	0.25297	0.33352	0.96249	2.95919
61	0.72714	0.93485	1.54580	0.97262	0.25253	0.33293	0.96080	3.07970
62	0.74428	0.95833	1.59003	0.97343	0.25230	0.33264	0.95995	3.20020
63	0.76147	0.98187	1.63434	0.97545	0.25230	0.33264	0.95995	3.32070
64	0.77870	1.00546	1.67871	0.97869	0.25253	0.33294	0.96080	3.44121
65	0.79598	1.02910	1.72316	0.98317	0.25297	0.33352	0.96249	3.56171

El Paso 2005 Winter Time Period 2 CO Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HdGV	LDDV	LDDT	HDDV	MC
3	56.25180	75.80145	129.07666	107.38840	4.58824	4.98982	35.36064	175.20731
4	43.83737	59.11049	100.29065	98.11623	4.22858	4.59868	32.58882	139.73164
5	36.38876	49.09583	83.01904	89.84192	3.90422	4.24593	30.08900	114.12666
6	31.42300	42.41945	71.50464	82.44670	3.61130	3.92737	27.83154	95.23218
7	27.87602	37.65060	63.28001	75.82686	3.34644	3.63933	25.79033	81.00528
8	25.21584	34.07397	57.11154	69.89204	3.10666	3.37856	23.94238	70.09251
9	23.14679	31.29210	52.31392	64.56371	2.88931	3.14219	22.26729	61.57796
10	21.49156	29.06667	48.47578	59.77286	2.69206	2.92768	20.74719	54.82809
11	20.13724	27.24585	45.33549	55.45947	2.51285	2.73278	19.36603	49.39693
12	19.00867	25.72849	42.71861	51.57062	2.34984	2.55551	18.10976	44.96440
13	18.05374	24.44456	40.50432	48.06010	2.20141	2.39408	16.96584	41.29723
14	17.23521	23.34406	38.60635	44.88715	2.06611	2.24694	15.92312	38.22282
15	16.52583	22.39029	36.96141	42.01610	1.94266	2.11269	14.97169	35.61192
16	15.90512	21.55573	35.52214	39.41516	1.82991	1.99007	14.10278	33.36621
17	15.35743	20.81938	34.25217	37.05682	1.72685	1.87799	13.30849	31.41055
18	14.87059	20.16484	33.12329	34.91629	1.63256	1.77544	12.58181	29.68690
19	14.43500	19.57919	32.11327	32.97177	1.54623	1.68156	11.91647	28.15012
20	13.85093	18.88690	30.98358	31.20421	1.46713	1.59554	11.30688	26.76508
21	13.13652	17.98457	29.54221	29.59636	1.39462	1.51667	10.74802	25.50426
22	12.48706	17.16431	28.23186	28.13327	1.32810	1.44434	10.23539	24.34639
23	11.89407	16.41536	27.03551	26.80136	1.26706	1.37796	9.76497	23.27472
24	11.35050	15.72884	25.93878	25.58876	1.21103	1.31702	9.33314	22.27640
25	10.85041	15.09723	24.92984	24.48482	1.15958	1.26107	8.93665	21.34177
26	10.38879	14.51420	23.99854	23.48010	1.11234	1.20970	8.57260	20.46324
27	9.96137	13.97436	23.13617	22.56621	1.06897	1.16253	8.23836	19.63525
28	9.56447	13.47308	22.33539	21.73561	1.02917	1.11924	7.93157	18.85365
29	9.19495	13.00637	21.58984	20.98175	0.99265	1.07952	7.65013	18.11551
30	8.85006	12.57077	20.89406	20.29861	0.95917	1.04311	7.39210	17.41873
31	8.52742	12.16327	20.24310	19.68098	0.92850	1.00977	7.15578	16.76161
32	8.22495	11.78125	19.63284	19.12416	0.90046	0.97927	6.93964	16.14297
33	7.94081	11.42237	19.05957	18.62402	0.87485	0.95142	6.74230	15.56230
34	7.67338	11.08461	18.52005	18.17693	0.85152	0.92605	6.56249	15.01839
35	7.42124	10.76615	18.01131	17.77963	0.83032	0.90299	6.39911	14.51104
36	7.18310	10.46538	17.53085	17.42931	0.81113	0.88212	6.25118	14.03907
37	6.95783	10.18087	17.07640	17.12352	0.79382	0.86329	6.11779	13.60229
38	6.74443	9.91133	16.64581	16.86015	0.77829	0.84641	5.99814	13.19934
39	6.54196	9.65562	16.23735	16.63741	0.76446	0.83137	5.89156	12.82932
40	6.34962	9.41269	15.84930	16.45375	0.75225	0.81809	5.79740	12.49107
41	6.16666	9.18161	15.48017	16.30797	0.74157	0.80648	5.71515	12.18321
42	5.99241	8.96154	15.12861	16.19907	0.73238	0.79648	5.64432	11.90383
43	5.82627	8.75170	14.79341	16.12634	0.72462	0.78805	5.58453	11.65119
44	5.66768	8.55139	14.47344	16.08928	0.71825	0.78112	5.53544	11.42275
45	5.51614	8.36000	14.16770	16.08769	0.71324	0.77566	5.49677	11.21615
46	5.37119	8.17692	13.87525	16.12149	0.70955	0.77165	5.46831	11.02841
47	5.23240	8.00163	13.59524	16.19096	0.70716	0.76905	5.44991	10.85582
48	5.09940	7.83365	13.32690	16.29655	0.70606	0.76786	5.44147	10.69477
49	5.09940	7.83365	13.32690	16.43896	0.70625	0.76807	5.44295	10.69477
50	5.09940	7.83365	13.32690	16.61911	0.70773	0.76967	5.45434	10.69477
51	5.09940	7.83365	13.32690	16.83826	0.71050	0.77269	5.47570	10.69477
52	5.09940	7.83365	13.32690	17.09787	0.71459	0.77713	5.50717	10.69477
53	5.09940	7.83365	13.32690	17.39970	0.72000	0.78302	5.54890	10.69477
54	5.09940	7.83365	13.32690	17.74590	0.72678	0.79039	5.60114	10.69477
55	5.09940	7.83365	13.32690	18.13879	0.73496	0.79928	5.66417	10.69477
56	5.65835	8.72871	14.98054	18.58125	0.74458	0.80975	5.73835	13.27038
57	6.21731	9.62377	16.63416	19.07642	0.75571	0.82185	5.82408	15.84599
58	6.77627	10.51883	18.28778	19.62790	0.76840	0.83565	5.92186	18.42159
59	7.33522	11.41389	19.94142	20.23982	0.78272	0.85122	6.03225	20.99721
60	7.89417	12.30895	21.59503	20.91681	0.79876	0.86867	6.15589	23.57278
61	8.45313	13.20401	23.24867	21.66400	0.81662	0.88809	6.29352	26.14838
62	9.01209	14.09907	24.90231	22.48734	0.83640	0.90960	6.44594	28.72397
63	9.57105	14.99414	26.55595	23.39337	0.85821	0.93333	6.61407	31.29961
64	10.13000	15.88920	28.20956	24.38951	0.88220	0.95942	6.79896	33.87521
65	10.68896	16.78423	29.86317	25.48396	0.90852	0.98803	7.00175	36.45078

El Paso 2005 Winter Time Period 2 NOx Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	1.48730	1.86969	2.65416	3.36856	2.04670	2.23067	15.01585	1.00083
4	1.35943	1.70895	2.42598	3.40341	1.96050	2.13672	14.38343	0.95728
5	1.28271	1.61251	2.28907	3.43827	1.88060	2.04964	13.79721	0.92114
6	1.23157	1.54821	2.19780	3.47313	1.80652	1.96889	13.25370	0.89184
7	1.19504	1.50229	2.13261	3.50799	1.73782	1.89402	12.74968	0.86884
8	1.16764	1.46784	2.08371	3.54285	1.67411	1.82459	12.28226	0.85160
9	1.14633	1.44105	2.04568	3.57770	1.61502	1.76019	11.84880	0.83962
10	1.12928	1.41962	2.01526	3.61256	1.56024	1.70048	11.44687	0.83241
11	1.11533	1.40209	1.99036	3.64742	1.50946	1.64513	11.07429	0.82950
12	1.10370	1.38748	1.96962	3.68228	1.46240	1.59385	10.72907	0.83045
13	1.09387	1.37511	1.95207	3.71714	1.41883	1.54636	10.40937	0.83482
14	1.08544	1.36451	1.93703	3.75200	1.37851	1.50241	10.11355	0.84220
15	1.07813	1.35533	1.92399	3.78685	1.34123	1.46179	9.84010	0.85221
16	1.07174	1.34729	1.91257	3.82171	1.30682	1.42429	9.58766	0.86448
17	1.06610	1.34020	1.90251	3.85657	1.27511	1.38972	9.35496	0.87866
18	1.06108	1.33390	1.89356	3.89143	1.24593	1.35792	9.14087	0.89442
19	1.05660	1.32826	1.88556	3.92629	1.21915	1.32873	8.94438	0.91146
20	1.05861	1.32213	1.87791	3.96115	1.19463	1.30201	8.76455	0.92947
21	1.06556	1.32645	1.88581	3.99600	1.17228	1.27765	8.60055	0.94820
22	1.07187	1.33038	1.89299	4.03086	1.15198	1.25552	8.45160	0.96740
23	1.07764	1.33397	1.89955	4.06572	1.13364	1.23553	8.31704	0.98683
24	1.08292	1.33725	1.90556	4.10057	1.11717	1.21759	8.19625	1.00629
25	1.08778	1.34028	1.91109	4.13543	1.10251	1.20161	8.08868	1.02559
26	1.09227	1.34307	1.91619	4.17029	1.08959	1.18753	7.99388	1.04456
27	1.09643	1.34566	1.92092	4.20515	1.07835	1.17528	7.91141	1.06304
28	1.10029	1.34806	1.92531	4.24001	1.06874	1.16480	7.84092	1.08092
29	1.10388	1.35030	1.92939	4.27487	1.06072	1.15607	7.78210	1.09807
30	1.10723	1.35238	1.93320	4.30972	1.05426	1.14902	7.73470	1.11442
31	1.11037	1.35433	1.93677	4.34458	1.04933	1.14365	7.69850	1.12989
32	1.11331	1.35616	1.94012	4.37944	1.04590	1.13991	7.67338	1.14444
33	1.11607	1.35788	1.94326	4.41430	1.04397	1.13781	7.65919	1.15802
34	1.11867	1.35950	1.94622	4.44915	1.04352	1.13732	7.65589	1.17064
35	1.12112	1.36103	1.94900	4.48401	1.04456	1.13844	7.66348	1.18230
36	1.12344	1.36247	1.95164	4.51887	1.04707	1.14119	7.68197	1.19303
37	1.12563	1.36383	1.95413	4.55373	1.05109	1.14557	7.71145	1.20289
38	1.12770	1.36512	1.95649	4.58859	1.05663	1.15160	7.75204	1.21194
39	1.12967	1.36635	1.95873	4.62344	1.06370	1.15931	7.80391	1.22027
40	1.13154	1.36751	1.96086	4.65831	1.07234	1.16872	7.86731	1.22800
41	1.13332	1.36862	1.96288	4.69316	1.08258	1.17989	7.94248	1.23525
42	1.13502	1.36967	1.96480	4.72802	1.09448	1.19286	8.02977	1.24217
43	1.13663	1.37068	1.96664	4.76287	1.10808	1.20768	8.12956	1.24893
44	1.13817	1.37164	1.96840	4.79774	1.12345	1.22443	8.24227	1.25573
45	1.13965	1.37255	1.97007	4.83259	1.14064	1.24317	8.36842	1.26278
46	1.14106	1.37343	1.97167	4.86745	1.15975	1.26399	8.50859	1.27029
47	1.14240	1.37427	1.97321	4.90231	1.18085	1.28699	8.66339	1.27852
48	1.14370	1.37508	1.97468	4.93717	1.20404	1.31226	8.83354	1.28775
49	1.17986	1.42814	2.05178	4.97203	1.22943	1.33994	9.01984	1.32968
50	1.21602	1.48121	2.12889	5.00689	1.25714	1.37014	9.22315	1.37161
51	1.25218	1.53428	2.20599	5.04174	1.28730	1.40301	9.44443	1.41354
52	1.28835	1.58735	2.28310	5.07660	1.32006	1.43872	9.68479	1.45548
53	1.32451	1.64042	2.36020	5.11146	1.35558	1.47743	9.94536	1.49741
54	1.36067	1.69349	2.43731	5.14632	1.39403	1.51933	10.22745	1.53934
55	1.39684	1.74655	2.51441	5.18118	1.43561	1.56465	10.53251	1.58127
56	1.43300	1.79963	2.59152	5.21603	1.48053	1.61361	10.86206	1.62320
57	1.46916	1.85269	2.66862	5.25089	1.52902	1.66646	11.21786	1.66514
58	1.50532	1.90576	2.74573	5.28575	1.58135	1.72349	11.60174	1.70707
59	1.54148	1.95883	2.82284	5.32061	1.63779	1.78501	12.01584	1.74900
60	1.57765	2.01190	2.89994	5.35547	1.69866	1.85134	12.46241	1.79093
61	1.61381	2.06497	2.97704	5.39032	1.76430	1.92288	12.94392	1.83286
62	1.64997	2.11804	3.05415	5.42518	1.83507	2.00001	13.46314	1.87479
63	1.68613	2.17111	3.13126	5.46004	1.91139	2.08319	14.02310	1.91673
64	1.72230	2.22418	3.20836	5.49490	1.99372	2.17292	14.62711	1.95866
65	1.75846	2.27725	3.28547	5.52976	2.08254	2.26973	15.27880	2.00059

El Paso 2005 Winter Time Period 3 VOC Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	7.24135	8.10246	12.82958	13.70163	1.19779	1.57919	4.55730	14.62819
4	5.23780	5.85026	9.35159	10.89118	1.13719	1.49929	4.32672	12.15429
5	4.14308	4.62157	7.43014	9.24235	1.08061	1.42469	4.11142	10.32200
6	3.45803	3.85353	6.21807	8.09846	1.02774	1.35499	3.91028	8.93899
7	2.99062	3.32996	5.38604	7.22550	0.97832	1.28983	3.72225	7.87705
8	2.71150	2.99584	4.83765	6.61919	0.93210	1.22889	3.54638	7.04881
9	2.49384	2.73826	4.41494	6.09431	0.88884	1.17186	3.38180	6.39355
10	2.31318	2.52969	4.07437	5.62524	0.84834	1.11846	3.22770	5.86825
11	2.15944	2.35676	3.79356	5.20355	0.81039	1.06843	3.08333	5.44188
12	2.02589	2.21057	3.55755	4.82263	0.77483	1.02154	2.94800	5.09170
13	1.90786	2.08495	3.35601	4.47720	0.74147	0.97757	2.82111	4.80080
14	1.80203	1.97547	3.18156	4.16287	0.71018	0.93631	2.70204	4.55638
15	1.70597	1.87893	3.02877	3.87596	0.68081	0.89759	2.59029	4.34869
16	1.61783	1.79288	2.89359	3.61334	0.65322	0.86122	2.48534	4.17018
17	1.53623	1.71548	2.77290	3.37233	0.62731	0.82705	2.38674	4.01495
18	1.46006	1.64530	2.66429	3.15059	0.60295	0.79494	2.29407	3.87836
19	1.38849	1.58117	2.56586	2.94610	0.58005	0.76475	2.20695	3.75675
20	1.32063	1.51968	2.47067	2.76738	0.55851	0.73635	2.12500	3.64722
21	1.26820	1.46184	2.37567	2.61805	0.53825	0.70963	2.04789	3.54747
22	1.22023	1.40922	2.28925	2.48124	0.51917	0.68449	1.97532	3.45568
23	1.17614	1.36112	2.21030	2.35574	0.50122	0.66081	1.90700	3.37042
24	1.13545	1.31699	2.13789	2.24045	0.48431	0.63852	1.84266	3.29058
25	1.09775	1.27634	2.07123	2.13441	0.46838	0.61752	1.78206	3.21532
26	1.06269	1.23878	2.00966	2.03677	0.45337	0.59774	1.72497	3.14401
27	1.02998	1.20397	1.95261	1.94677	0.43924	0.57910	1.67118	3.07618
28	0.99937	1.17160	1.89960	1.86371	0.42591	0.56153	1.62049	3.01153
29	0.97064	1.14142	1.85021	1.78698	0.41336	0.54498	1.57273	2.94985
30	0.94360	1.11322	1.80408	1.71603	0.40153	0.52938	1.52771	2.89102
31	0.91809	1.08681	1.76089	1.65038	0.39038	0.51468	1.48529	2.83500
32	0.89397	1.06201	1.72037	1.58957	0.37987	0.50083	1.44532	2.78177
33	0.87110	1.03869	1.68227	1.53320	0.36998	0.48778	1.40766	2.73140
34	0.84939	1.01670	1.64639	1.48093	0.36065	0.47549	1.37219	2.68391
35	0.82873	0.99594	1.61252	1.43241	0.35188	0.46392	1.33880	2.63939
36	0.80902	0.97630	1.58050	1.38736	0.34361	0.45303	1.30736	2.59789
37	0.79021	0.95770	1.55020	1.34552	0.33584	0.44278	1.27779	2.55944
38	0.77220	0.94004	1.52145	1.30664	0.32853	0.43314	1.24998	2.52411
39	0.75495	0.92327	1.49416	1.27052	0.32167	0.42409	1.22386	2.49191
40	0.73840	0.90730	1.46821	1.23695	0.31522	0.41559	1.19934	2.46281
41	0.72249	0.89209	1.44349	1.20577	0.30918	0.40763	1.17634	2.43681
42	0.70718	0.87758	1.41993	1.17681	0.30352	0.40016	1.15480	2.41380
43	0.69242	0.86371	1.39744	1.14992	0.29822	0.39318	1.13466	2.39362
44	0.67819	0.85045	1.37595	1.12499	0.29328	0.38666	1.11584	2.37618
45	0.66443	0.83776	1.35539	1.10189	0.28867	0.38058	1.09831	2.36122
46	0.65114	0.82560	1.33570	1.08052	0.28438	0.37493	1.08200	2.34846
47	0.63826	0.81393	1.31683	1.06079	0.28041	0.36969	1.06687	2.33751
48	0.62601	0.80266	1.29862	1.04266	0.27673	0.36484	1.05288	2.32794
49	0.62404	0.80041	1.29562	1.02664	0.27334	0.36038	1.03999	2.32794
50	0.62218	0.79830	1.29280	1.01220	0.27023	0.35628	1.02816	2.32794
51	0.62042	0.79631	1.29014	0.99927	0.26739	0.35253	1.01736	2.32794
52	0.61877	0.79443	1.28763	0.98779	0.26482	0.34914	1.00756	2.32794
53	0.61721	0.79266	1.28526	0.97771	0.26250	0.34608	0.99873	2.32794
54	0.61573	0.79098	1.28302	0.96896	0.26043	0.34335	0.99085	2.32794
55	0.61433	0.78940	1.28090	0.96152	0.25860	0.34094	0.98390	2.32794
56	0.61318	0.81288	1.32531	0.95535	0.25701	0.33885	0.97786	2.44987
57	0.64849	0.83645	1.36982	0.95042	0.25566	0.33706	0.97271	2.57179
58	0.66567	0.86009	1.41443	0.94671	0.25453	0.33558	0.96844	2.69372
59	0.68290	0.88379	1.45912	0.94420	0.25364	0.33440	0.96504	2.81564
60	0.70019	0.90756	1.50390	0.94289	0.25297	0.33352	0.96249	2.93756
61	0.71753	0.93138	1.54876	0.94277	0.25253	0.33293	0.96080	3.05949
62	0.73493	0.95527	1.59370	0.94385	0.25230	0.33264	0.95995	3.18141
63	0.75236	0.97920	1.63870	0.94614	0.25230	0.33264	0.95995	3.30334
64	0.76984	1.00318	1.68377	0.94965	0.25253	0.33294	0.96080	3.42526
65	0.78736	1.02721	1.72890	0.95440	0.25297	0.33352	0.96249	3.54719

El Paso 2005 Winter Time Period 3 CO Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDBGV	LDDV	LDDT	HDDV	MC
3	56.21483	75.93684	128.74274	106.79138	4.58824	4.98982	35.36064	177.96858
4	43.80969	59.21992	100.03220	97.57071	4.22858	4.59868	32.58882	141.93385
5	36.36659	49.18988	82.80588	89.34244	3.90422	4.24593	30.08900	115.92531
6	31.40454	42.50310	71.32166	81.98836	3.61130	3.92737	27.83154	96.73306
7	27.86023	37.72688	63.11864	75.40526	3.34644	3.63933	25.79033	82.28194
8	25.20197	34.14468	56.96640	69.50345	3.10666	3.37856	23.94238	71.19717
9	23.13446	31.35855	52.18130	64.20474	2.88931	3.14219	22.26729	62.54842
10	21.48050	29.12965	48.35324	59.44057	2.69206	2.92768	20.74719	55.69220
11	20.12720	27.30597	45.22119	55.15112	2.51285	2.73278	19.36603	50.17548
12	18.99944	25.78625	42.61116	51.28389	2.34984	2.55551	18.10976	45.67305
13	18.04523	24.50037	40.40268	47.79289	2.20141	2.39408	16.96584	41.94806
14	17.22729	23.39818	38.50966	44.63757	2.06611	2.24694	15.92312	38.82524
15	16.51845	22.44290	36.86905	41.78247	1.94266	2.11269	14.97169	36.17314
16	15.89821	21.60706	35.43353	39.19603	1.82991	1.99007	14.10278	33.89204
17	15.35092	20.86958	34.16690	36.85075	1.72685	1.87799	13.30849	31.90556
18	14.86445	20.21402	33.04100	34.72215	1.63256	1.77544	12.58181	30.15477
19	14.42917	19.62747	32.03360	32.78844	1.54623	1.68156	11.91647	28.59378
20	13.84525	18.93301	30.90640	31.03070	1.46713	1.59554	11.30688	27.18690
21	13.13083	18.02797	29.46851	29.43185	1.39462	1.51667	10.74802	25.90622
22	12.48135	17.20520	28.16130	27.97684	1.32810	1.44434	10.23539	24.73012
23	11.88835	16.45396	26.96782	26.65234	1.26706	1.37796	9.76497	23.64153
24	11.34477	15.76533	25.87373	25.44647	1.21103	1.31702	9.33314	22.62750
25	10.84467	15.13178	24.86723	24.34868	1.15958	1.26107	8.93665	21.67813
26	10.38305	14.54697	23.93811	23.34955	1.11234	1.20970	8.57260	20.78574
27	9.95562	14.00548	23.07784	22.44075	1.06897	1.16253	8.23836	19.94470
28	9.55872	13.50266	22.27902	21.61479	1.02917	1.11924	7.93157	19.15079
29	9.18919	13.03452	21.53525	20.86513	0.99265	1.07952	7.65013	18.40102
30	8.84429	12.59759	20.84111	20.18576	0.95917	1.04311	7.39210	17.69327
31	8.52165	12.18885	20.19173	19.57155	0.92850	1.00977	7.15578	17.02579
32	8.21917	11.80566	19.58295	19.01784	0.90046	0.97927	6.93964	16.39740
33	7.93502	11.44569	19.01105	18.52049	0.87485	0.95142	6.74230	15.80756
34	7.66759	11.10689	18.47279	18.07587	0.85152	0.92605	6.56249	15.25508
35	7.41544	10.78746	17.96532	17.68079	0.83032	0.90299	6.39911	14.73973
36	7.17730	10.48577	17.48602	17.33240	0.81113	0.88212	6.25118	14.26032
37	6.95203	10.20039	17.03262	17.02832	0.79382	0.86329	6.11779	13.81666
38	6.73862	9.93002	16.60309	16.76643	0.77829	0.84641	5.99814	13.40736
39	6.53615	9.67353	16.19559	16.54491	0.76446	0.83137	5.89156	13.03151
40	6.34381	9.42985	15.80847	16.36227	0.75225	0.81809	5.79740	12.68793
41	6.16085	9.19807	15.44023	16.21730	0.74157	0.80648	5.71515	12.37522
42	5.98660	8.97732	15.08952	16.10899	0.73238	0.79648	5.64432	12.09143
43	5.82045	8.76684	14.75513	16.03668	0.72462	0.78805	5.58453	11.83481
44	5.66186	8.56593	14.43593	15.99984	0.71825	0.78112	5.53544	11.60277
45	5.51031	8.37394	14.13092	15.99825	0.71324	0.77566	5.49677	11.39292
46	5.36536	8.19031	13.83917	16.03186	0.70955	0.77165	5.46831	11.20222
47	5.22657	8.01448	13.55983	16.10095	0.70716	0.76905	5.44991	11.02691
48	5.09357	7.84599	13.29214	16.20595	0.70606	0.76786	5.44147	10.86332
49	5.09357	7.84599	13.29214	16.34756	0.70625	0.76807	5.44295	10.86332
50	5.09357	7.84599	13.29214	16.52672	0.70773	0.76967	5.45434	10.86332
51	5.09357	7.84599	13.29214	16.74464	0.71050	0.77269	5.47570	10.86332
52	5.09357	7.84599	13.29214	17.00281	0.71459	0.77713	5.50717	10.86332
53	5.09357	7.84599	13.29214	17.30296	0.72000	0.78302	5.54890	10.86332
54	5.09357	7.84599	13.29214	17.64723	0.72678	0.79039	5.60114	10.86332
55	5.09357	7.84599	13.29214	18.03795	0.73496	0.79928	5.66417	10.86332
56	5.65184	8.74133	14.94135	18.47794	0.74458	0.80975	5.73835	13.47952
57	6.21012	9.63667	16.59053	18.97034	0.75571	0.82185	5.82408	16.09572
58	6.76839	10.53202	18.23975	19.51875	0.76840	0.83565	5.92186	18.71191
59	7.32667	11.42737	19.88893	20.12730	0.78272	0.85122	6.03225	21.32811
60	7.88494	12.32271	21.53815	20.80051	0.79876	0.86867	6.15589	23.94429
61	8.44322	13.21806	23.18735	21.54353	0.81662	0.88809	6.29352	26.56050
62	9.00150	14.11340	24.83653	22.36227	0.83640	0.90960	6.44594	29.17665
63	9.55978	15.00875	26.48575	23.26329	0.85821	0.93333	6.61407	31.79289
64	10.11805	15.90410	28.13498	24.25391	0.88220	0.95942	6.79896	34.40906
65	10.67633	16.79942	29.78415	25.34224	0.90852	0.98803	7.00175	37.02527

El Paso 2005 Winter Time Period 3 NOx Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HdGV	LDDV	LDDT	HDDV	MC
3	1.49907	1.88597	2.67787	3.39548	2.04670	2.23067	15.01585	1.00867
4	1.37019	1.72383	2.44765	3.43061	1.96050	2.13672	14.38343	0.96478
5	1.29286	1.62655	2.30952	3.46575	1.88060	2.04964	13.79721	0.92836
6	1.24131	1.56170	2.21743	3.50089	1.80652	1.96889	13.25370	0.89883
7	1.20449	1.51537	2.15166	3.53602	1.73782	1.89402	12.74968	0.87564
8	1.17688	1.48063	2.10233	3.57116	1.67411	1.82459	12.28226	0.85827
9	1.15540	1.45360	2.06395	3.60630	1.61502	1.76019	11.84880	0.84620
10	1.13822	1.43199	2.03326	3.64144	1.56024	1.70048	11.44687	0.83893
11	1.12415	1.41430	2.00814	3.67657	1.50946	1.64513	11.07429	0.83600
12	1.11244	1.39956	1.98722	3.71171	1.46240	1.59385	10.72907	0.83695
13	1.10252	1.38708	1.96951	3.74685	1.41883	1.54636	10.40937	0.84135
14	1.09403	1.37640	1.95433	3.78198	1.37851	1.50241	10.11355	0.84880
15	1.08666	1.36713	1.94117	3.81712	1.34123	1.46179	9.84010	0.85889
16	1.08022	1.35903	1.92966	3.85226	1.30682	1.42429	9.58766	0.87125
17	1.07453	1.35187	1.91950	3.88739	1.27511	1.38972	9.35496	0.88554
18	1.06948	1.34551	1.91048	3.92253	1.24593	1.35792	9.14087	0.90143
19	1.06496	1.33982	1.90240	3.95767	1.21915	1.32873	8.94438	0.91859
20	1.06699	1.33365	1.89470	3.99280	1.19463	1.30201	8.76455	0.93675
21	1.07399	1.33801	1.90268	4.02794	1.17228	1.27765	8.60055	0.95563
22	1.08035	1.34198	1.90994	4.06307	1.15198	1.25552	8.45160	0.97498
23	1.08617	1.34561	1.91657	4.09821	1.13364	1.23553	8.31704	0.99456
24	1.09149	1.34893	1.92264	4.13335	1.11717	1.21759	8.19625	1.01417
25	1.09639	1.35199	1.92823	4.16848	1.10251	1.20161	8.08868	1.03362
26	1.10092	1.35481	1.93339	4.20362	1.08959	1.18753	7.99388	1.05274
27	1.10511	1.35742	1.93817	4.23876	1.07835	1.17528	7.91141	1.07137
28	1.10900	1.35985	1.94261	4.27389	1.06874	1.16480	7.84092	1.08938
29	1.11262	1.36211	1.94674	4.30903	1.06072	1.15607	7.78210	1.10667
30	1.11600	1.36422	1.95059	4.34417	1.05426	1.14902	7.73470	1.12315
31	1.11916	1.36619	1.95420	4.37930	1.04933	1.14365	7.69850	1.13874
32	1.12213	1.36804	1.95758	4.41444	1.04590	1.13991	7.67338	1.15340
33	1.12492	1.36978	1.96076	4.44958	1.04397	1.13781	7.65919	1.16709
34	1.12754	1.37141	1.96374	4.48471	1.04352	1.13732	7.65589	1.17980
35	1.13001	1.37295	1.96656	4.51985	1.04456	1.13844	7.66348	1.19156
36	1.13234	1.37441	1.96922	4.55499	1.04707	1.14119	7.68197	1.20237
37	1.13455	1.37578	1.97174	4.59012	1.05109	1.14557	7.71145	1.21231
38	1.13664	1.37709	1.97413	4.62526	1.05663	1.15160	7.75204	1.22143
39	1.13863	1.37833	1.97639	4.66040	1.06370	1.15931	7.80391	1.22983
40	1.14051	1.37950	1.97854	4.69553	1.07234	1.16872	7.86731	1.23761
41	1.14230	1.38062	1.98059	4.73067	1.08258	1.17989	7.94248	1.24492
42	1.14401	1.38169	1.98253	4.76581	1.09448	1.19286	8.02977	1.25190
43	1.14564	1.38270	1.98439	4.80094	1.10808	1.20768	8.12956	1.25872
44	1.14720	1.38367	1.98617	4.83608	1.12345	1.22443	8.24227	1.26557
45	1.14868	1.38460	1.98786	4.87122	1.14064	1.24317	8.36842	1.27267
46	1.15010	1.38549	1.98948	4.90636	1.15975	1.26399	8.50859	1.28024
47	1.15146	1.38633	1.99103	4.94149	1.18085	1.28699	8.66339	1.28853
48	1.15277	1.38715	1.99252	4.97663	1.20404	1.31226	8.83354	1.29783
49	1.18923	1.44068	2.07032	5.01177	1.22943	1.33994	9.01984	1.34009
50	1.22568	1.49422	2.14814	5.04690	1.25714	1.37014	9.22315	1.38235
51	1.26215	1.54777	2.22594	5.08204	1.28730	1.40301	9.44443	1.42461
52	1.29861	1.60130	2.30376	5.11718	1.32006	1.43872	9.68479	1.46687
53	1.33506	1.65484	2.38157	5.15231	1.35558	1.47743	9.94536	1.50914
54	1.37152	1.70838	2.45938	5.18745	1.39403	1.51933	10.22745	1.55139
55	1.40798	1.76192	2.53719	5.22259	1.43561	1.56465	10.53251	1.59365
56	1.44444	1.81546	2.61500	5.25772	1.48053	1.61361	10.86206	1.63591
57	1.48090	1.86900	2.69281	5.29286	1.52902	1.66646	11.21786	1.67818
58	1.51736	1.92254	2.77062	5.32799	1.58135	1.72349	11.60174	1.72044
59	1.55382	1.97608	2.84843	5.36313	1.63779	1.78501	12.01584	1.76270
60	1.59028	2.02962	2.92624	5.39827	1.69866	1.85134	12.46241	1.80496
61	1.62674	2.08316	3.00405	5.43340	1.76430	1.92288	12.94392	1.84722
62	1.66320	2.13670	3.08186	5.46854	1.83507	2.00001	13.46314	1.88948
63	1.69966	2.19024	3.15967	5.50368	1.91139	2.08319	14.02310	1.93174
64	1.73612	2.24378	3.23748	5.53882	1.99372	2.17292	14.62711	1.97400
65	1.77258	2.29732	3.31529	5.57395	2.08254	2.26973	15.27880	2.01626

El Paso 2005 Winter Time Period 4 VOC Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	5.08152	7.03496	12.14900	9.54638	1.19779	1.57919	4.55730	16.64258
4	3.95356	5.44984	9.40090	8.71442	1.13719	1.49929	4.32672	13.70363
5	3.27678	4.49877	7.75204	7.96819	1.08061	1.42469	4.11142	11.52690
6	2.82559	3.86472	6.65280	7.29797	1.02774	1.35499	3.91028	9.88390
7	2.50331	3.41183	5.86763	6.69523	0.97832	1.28983	3.72225	8.62234
8	2.26160	3.07216	5.27875	6.15248	0.93210	1.22889	3.54638	7.63840
9	2.07361	2.80797	4.82073	5.66313	0.88884	1.17186	3.38180	6.85997
10	1.92321	2.59662	4.45432	5.22136	0.84834	1.11846	3.22770	6.23591
11	1.80016	2.42370	4.15452	4.82205	0.81039	1.06843	3.08333	5.72939
12	1.69762	2.27960	3.90470	4.46068	0.77483	1.02154	2.94800	5.31339
13	1.61085	2.15767	3.69330	4.13326	0.74147	0.97757	2.82111	4.96780
14	1.53648	2.05315	3.51211	3.83623	0.71018	0.93631	2.70204	4.67743
15	1.47203	1.96257	3.35508	3.56646	0.68081	0.89759	2.59029	4.43070
16	1.41563	1.88332	3.21767	3.32118	0.65322	0.86122	2.48534	4.21863
17	1.36587	1.81339	3.09643	3.09791	0.62731	0.82705	2.38674	4.03422
18	1.32163	1.75123	2.98866	2.89445	0.60295	0.79494	2.29407	3.87195
19	1.28205	1.69561	2.89224	2.70884	0.58005	0.76475	2.20695	3.72749
20	1.23209	1.63640	2.79305	2.53936	0.55851	0.73635	2.12500	3.59737
21	1.17893	1.57203	2.68451	2.38443	0.53825	0.70963	2.04789	3.47887
22	1.13060	1.51353	2.58584	2.24267	0.51917	0.68449	1.97532	3.36982
23	1.08648	1.46010	2.49575	2.11285	0.50122	0.66081	1.90700	3.26853
24	1.04604	1.41113	2.41318	1.99386	0.48431	0.63852	1.84266	3.17368
25	1.00883	1.36608	2.33720	1.88469	0.46838	0.61752	1.78206	3.08428
26	0.97448	1.32449	2.26707	1.78446	0.45337	0.59774	1.72497	2.99956
27	0.94268	1.28599	2.20214	1.69237	0.43924	0.57910	1.67118	2.91898
28	0.91314	1.25023	2.14184	1.60770	0.42591	0.56153	1.62049	2.84217
29	0.88565	1.21694	2.08570	1.52980	0.41336	0.54498	1.57273	2.76890
30	0.85999	1.18587	2.03331	1.45809	0.40153	0.52938	1.52771	2.69901
31	0.83598	1.15680	1.98429	1.39206	0.39038	0.51468	1.48529	2.63246
32	0.81347	1.12955	1.93834	1.33123	0.37987	0.50083	1.44532	2.56922
33	0.79233	1.10396	1.89517	1.27517	0.36998	0.48778	1.40766	2.50939
34	0.77243	1.07986	1.85454	1.22349	0.36065	0.47549	1.37219	2.45297
35	0.75367	1.05715	1.81624	1.17587	0.35188	0.46392	1.33880	2.40008
36	0.73595	1.03570	1.78006	1.13197	0.34361	0.45303	1.30736	2.35077
37	0.71919	1.01540	1.74583	1.09152	0.33584	0.44278	1.27779	2.30510
38	0.70331	0.99618	1.71342	1.05427	0.32853	0.43314	1.24998	2.26313
39	0.68825	0.97794	1.68266	1.01998	0.32167	0.42409	1.22386	2.22487
40	0.67394	0.96061	1.65344	0.98844	0.31522	0.41559	1.19934	2.19030
41	0.66032	0.94412	1.62564	0.95947	0.30918	0.40763	1.17634	2.15942
42	0.64736	0.92843	1.59917	0.93290	0.30352	0.40016	1.15480	2.13208
43	0.63499	0.91346	1.57393	0.90857	0.29822	0.39318	1.13466	2.10811
44	0.62319	0.89917	1.54983	0.88634	0.29328	0.38666	1.11584	2.08739
45	0.61192	0.88552	1.52681	0.86609	0.28867	0.38058	1.09831	2.06962
46	0.60113	0.87246	1.50479	0.84771	0.28438	0.37493	1.08200	2.05445
47	0.59081	0.85996	1.48371	0.83110	0.28041	0.36969	1.06687	2.04145
48	0.58091	0.84798	1.46350	0.81616	0.27673	0.36484	1.05288	2.03008
49	0.58091	0.84798	1.46350	0.80283	0.27334	0.36038	1.03999	2.03008
50	0.58091	0.84798	1.46350	0.79102	0.27023	0.35628	1.02816	2.03008
51	0.58091	0.84798	1.46350	0.78068	0.26739	0.35253	1.01736	2.03008
52	0.58091	0.84798	1.46350	0.77176	0.26482	0.34914	1.00756	2.03008
53	0.58091	0.84798	1.46350	0.76420	0.26250	0.34608	0.99873	2.03008
54	0.58091	0.84798	1.46350	0.75797	0.26043	0.34335	0.99085	2.03008
55	0.58091	0.84798	1.46350	0.75304	0.25860	0.34094	0.98390	2.03008
56	0.60355	0.87984	1.52273	0.74939	0.25701	0.33885	0.97786	2.17493
57	0.62619	0.91170	1.58196	0.74699	0.25566	0.33706	0.97271	2.31977
58	0.64883	0.94357	1.64119	0.74583	0.25453	0.33558	0.96844	2.46461
59	0.67148	0.97543	1.70042	0.74591	0.25364	0.33440	0.96504	2.60946
60	0.69412	1.00730	1.75965	0.74723	0.25297	0.33352	0.96249	2.75430
61	0.71676	1.03916	1.81889	0.74980	0.25253	0.33293	0.96080	2.89915
62	0.73940	1.07102	1.87812	0.75362	0.25230	0.33264	0.95995	3.04399
63	0.76204	1.10289	1.93735	0.75872	0.25230	0.33264	0.95995	3.18884
64	0.78468	1.13475	1.99658	0.76512	0.25253	0.33294	0.96080	3.33368
65	0.80732	1.16662	2.05581	0.77286	0.25297	0.33352	0.96249	3.47853

El Paso 2005 Winter Time Period 4 CO Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	62.18294	85.87863	138.90625	106.46980	4.58824	4.98982	35.36064	220.56311
4	48.47421	67.03152	107.96902	97.27692	4.22858	4.59868	32.58882	175.90390
5	40.24898	55.72322	89.40678	89.07346	3.90422	4.24593	30.08900	143.67056
6	34.76550	48.18434	77.03186	81.74147	3.61130	3.92737	27.83154	119.88492
7	30.84871	42.79942	68.19267	75.17824	3.34644	3.63933	25.79033	101.97505
8	27.91112	38.76077	61.56328	69.29420	3.10666	3.37856	23.94238	88.23735
9	25.62637	35.61958	56.40710	64.01141	2.88931	3.14219	22.26729	77.51862
10	23.79855	33.10666	52.28220	59.26152	2.69206	2.92768	20.74719	69.02144
11	22.30305	31.05058	48.90720	54.98505	2.51285	2.73278	19.36603	62.18431
12	21.05684	29.33722	46.09470	51.12952	2.34984	2.55551	18.10976	56.60434
13	20.00230	27.88742	43.71497	47.64902	2.20141	2.39408	16.96584	51.98785
14	19.09843	26.64479	41.67516	44.50316	2.06611	2.24694	15.92312	48.11761
15	18.31509	25.56778	39.90730	41.65669	1.94266	2.11269	14.97169	44.83075
16	17.62967	24.62544	38.36044	39.07802	1.82991	1.99007	14.10278	42.00371
17	17.02486	23.79395	36.99559	36.73984	1.72685	1.87799	13.30849	39.54176
18	16.48727	23.05487	35.78236	34.61757	1.63256	1.77544	12.58181	37.37190
19	16.00627	22.39355	34.69685	32.68973	1.54623	1.68156	11.91647	35.43732
20	15.35746	21.59627	33.47136	30.93730	1.46713	1.59554	11.30688	33.69374
21	14.56141	20.55602	31.90924	29.34323	1.39462	1.51667	10.74802	32.10651
22	13.83772	19.61031	30.48912	27.89258	1.32810	1.44434	10.23539	30.64896
23	13.17696	18.74687	29.19249	26.57210	1.26706	1.37796	9.76497	29.29984
24	12.57126	17.95537	28.00392	25.36986	1.21103	1.31702	9.33314	28.04309
25	12.01402	17.22719	26.91042	24.27536	1.15958	1.26107	8.93665	26.86652
26	11.49965	16.55504	25.90103	23.27925	1.11234	1.20970	8.57260	25.76053
27	11.02337	15.93266	24.96642	22.37320	1.06897	1.16253	8.23836	24.71822
28	10.58112	15.35473	24.09857	21.54971	1.02917	1.11924	7.93157	23.73425
29	10.16936	14.81667	23.29057	20.80228	0.99265	1.07952	7.65013	22.80505
30	9.78506	14.31447	22.53644	20.12500	0.95917	1.04311	7.39210	21.92790
31	9.42555	13.84467	21.83093	19.51262	0.92850	1.00977	7.15578	21.10068
32	9.08851	13.40424	21.16957	18.96057	0.90046	0.97927	6.93964	20.32188
33	8.77190	12.99049	20.54825	18.46474	0.87485	0.95142	6.74230	19.59087
34	8.47390	12.60109	19.96352	18.02145	0.85152	0.92605	6.56249	18.90617
35	8.19294	12.23394	19.41217	17.62755	0.83032	0.90299	6.39911	18.26747
36	7.92759	11.88719	18.89145	17.28023	0.81113	0.88212	6.25118	17.67334
37	7.67658	11.55917	18.39890	16.97705	0.79382	0.86329	6.11779	17.12349
38	7.43878	11.24842	17.93225	16.71596	0.77829	0.84641	5.99814	16.61624
39	7.21318	10.95361	17.48953	16.49509	0.76446	0.83137	5.89156	16.15044
40	6.99885	10.67354	17.06897	16.31300	0.75225	0.81809	5.79740	15.72462
41	6.79498	10.40713	16.66890	16.16847	0.74157	0.80648	5.71515	15.33708
42	6.60082	10.15341	16.28790	16.06050	0.73238	0.79648	5.64432	14.98537
43	6.41569	9.91148	15.92463	15.98840	0.72462	0.78805	5.58453	14.66732
44	6.23898	9.68056	15.57785	15.95167	0.71825	0.78112	5.53544	14.37975
45	6.07012	9.45990	15.24649	15.95009	0.71324	0.77566	5.49677	14.11967
46	5.90860	9.24883	14.92953	15.98360	0.70955	0.77165	5.46831	13.88332
47	5.75395	9.04674	14.62606	16.05247	0.70716	0.76905	5.44991	13.66606
48	5.60575	8.85308	14.33524	16.15717	0.70606	0.76786	5.44147	13.46332
49	5.60575	8.85308	14.33524	16.29834	0.70625	0.76807	5.44295	13.46332
50	5.60575	8.85308	14.33524	16.47696	0.70773	0.76967	5.45434	13.46332
51	5.60575	8.85308	14.33524	16.69423	0.71050	0.77269	5.47570	13.46332
52	5.60575	8.85308	14.33524	16.95161	0.71459	0.77713	5.50717	13.46332
53	5.60575	8.85308	14.33524	17.25087	0.72000	0.78302	5.54890	13.46332
54	5.60575	8.85308	14.33524	17.59410	0.72678	0.79039	5.60114	13.46332
55	5.60575	8.85308	14.33524	17.98364	0.73496	0.79928	5.66417	13.46332
56	6.21912	9.84611	16.10316	18.42230	0.74458	0.80975	5.73835	16.70566
57	6.83249	10.83915	17.87108	18.91322	0.75571	0.82185	5.82408	19.94801
58	7.44587	11.83219	19.63902	19.46001	0.76840	0.83565	5.92186	23.19035
59	8.05925	12.82523	21.40695	20.06671	0.78272	0.85122	6.03225	26.43272
60	8.67262	13.81827	23.17490	20.73785	0.79876	0.86867	6.15589	29.67502
61	9.28600	14.81131	24.94281	21.47868	0.81662	0.88809	6.29352	32.91739
62	9.89937	15.80435	26.71074	22.29500	0.83640	0.90960	6.44594	36.15971
63	10.51275	16.79738	28.47868	23.19325	0.85821	0.93333	6.61407	39.40210
64	11.12612	17.79041	30.24664	24.18088	0.88220	0.95942	6.79896	42.64444
65	11.73950	18.78345	32.01454	25.26596	0.90852	0.98803	7.00175	45.88681

El Paso 2005 Winter Time Period 4 NOx Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	1.67657	2.12727	3.02429	3.65561	2.04670	2.23067	15.01585	1.11501
4	1.53244	1.94438	2.76429	3.69344	1.96050	2.13672	14.38343	1.06649
5	1.44595	1.83466	2.60828	3.73127	1.88060	2.04964	13.79721	1.02623
6	1.38830	1.76150	2.50428	3.76910	1.80652	1.96889	13.25370	0.99359
7	1.34712	1.70925	2.43000	3.80693	1.73782	1.89402	12.74968	0.96796
8	1.31623	1.67006	2.37428	3.84476	1.67411	1.82459	12.28226	0.94875
9	1.29221	1.63958	2.33095	3.88259	1.61502	1.76019	11.84880	0.93541
10	1.27299	1.61520	2.29628	3.92041	1.56024	1.70048	11.44687	0.92738
11	1.25727	1.59524	2.26792	3.95824	1.50946	1.64513	11.07429	0.92414
12	1.24416	1.57862	2.24428	3.99607	1.46240	1.59385	10.72907	0.92519
13	1.23308	1.56455	2.22428	4.03390	1.41883	1.54636	10.40937	0.93005
14	1.22357	1.55249	2.20714	4.07173	1.37851	1.50241	10.11355	0.93828
15	1.21534	1.54204	2.19229	4.10956	1.34123	1.46179	9.84010	0.94944
16	1.20813	1.53290	2.17928	4.14738	1.30682	1.42429	9.58766	0.96311
17	1.20177	1.52483	2.16781	4.18521	1.27511	1.38972	9.35496	0.97890
18	1.19612	1.51766	2.15762	4.22304	1.24593	1.35792	9.14087	0.99646
19	1.19106	1.51124	2.14849	4.26087	1.21915	1.32873	8.94438	1.01544
20	1.19332	1.50431	2.13986	4.29870	1.19463	1.30201	8.76455	1.03551
21	1.20117	1.50930	2.14899	4.33653	1.17228	1.27765	8.60055	1.05638
22	1.20830	1.51383	2.15729	4.37435	1.15198	1.25552	8.45160	1.07776
23	1.21482	1.51797	2.16487	4.41218	1.13364	1.23553	8.31704	1.09941
24	1.22079	1.52176	2.17182	4.45001	1.11717	1.21759	8.19625	1.12109
25	1.22629	1.52525	2.17822	4.48784	1.10251	1.20161	8.08868	1.14259
26	1.23136	1.52847	2.18411	4.52567	1.08959	1.18753	7.99388	1.16372
27	1.23606	1.53146	2.18958	4.56350	1.07835	1.17528	7.91141	1.18432
28	1.24042	1.53423	2.19465	4.60132	1.06874	1.16480	7.84092	1.20423
29	1.24448	1.53681	2.19937	4.63916	1.06072	1.15607	7.78210	1.22334
30	1.24827	1.53921	2.20378	4.67698	1.05426	1.14902	7.73470	1.24156
31	1.25182	1.54147	2.20791	4.71481	1.04933	1.14365	7.69850	1.25879
32	1.25514	1.54358	2.21177	4.75264	1.04590	1.13991	7.67338	1.27500
33	1.25826	1.54556	2.21541	4.79047	1.04397	1.13781	7.65919	1.29013
34	1.26120	1.54742	2.21882	4.82830	1.04352	1.13732	7.65589	1.30418
35	1.26398	1.54918	2.22205	4.86613	1.04456	1.13844	7.66348	1.31718
36	1.26659	1.55085	2.22509	4.90395	1.04707	1.14119	7.68197	1.32913
37	1.26907	1.55242	2.22797	4.94178	1.05109	1.14557	7.71145	1.34012
38	1.27141	1.55391	2.23069	4.97961	1.05663	1.15160	7.75204	1.35020
39	1.27364	1.55532	2.23328	5.01744	1.06370	1.15931	7.80391	1.35948
40	1.27575	1.55666	2.23574	5.05527	1.07234	1.16872	7.86731	1.36809
41	1.27776	1.55794	2.23808	5.09310	1.08258	1.17989	7.94248	1.37617
42	1.27968	1.55916	2.24031	5.13093	1.09448	1.19286	8.02977	1.38388
43	1.28150	1.56032	2.24243	5.16875	1.10808	1.20768	8.12956	1.39142
44	1.28324	1.56143	2.24446	5.20658	1.12345	1.22443	8.24227	1.39899
45	1.28491	1.56248	2.24640	5.24441	1.14064	1.24317	8.36842	1.40684
46	1.28650	1.56349	2.24825	5.28224	1.15975	1.26399	8.50859	1.41521
47	1.28803	1.56446	2.25002	5.32007	1.18085	1.28699	8.66339	1.42438
48	1.28949	1.56539	2.25173	5.35790	1.20404	1.31226	8.83354	1.43466
49	1.33040	1.62585	2.33972	5.39573	1.22943	1.33994	9.01984	1.48137
50	1.37132	1.68631	2.42773	5.43356	1.25714	1.37014	9.22315	1.52809
51	1.41223	1.74676	2.51573	5.47138	1.28730	1.40301	9.44443	1.57480
52	1.45314	1.80722	2.60373	5.50921	1.32006	1.43872	9.68479	1.62152
53	1.49405	1.86768	2.69173	5.54704	1.35558	1.47743	9.94536	1.66823
54	1.53497	1.92813	2.77973	5.58487	1.39403	1.51933	10.22745	1.71495
55	1.57588	1.98859	2.86774	5.62270	1.43561	1.56465	10.53251	1.76167
56	1.61680	2.04905	2.95574	5.66052	1.48053	1.61361	10.86206	1.80838
57	1.65771	2.10950	3.04374	5.69836	1.52902	1.66646	11.21786	1.85510
58	1.69862	2.16996	3.13174	5.73618	1.58135	1.72349	11.60174	1.90182
59	1.73953	2.23042	3.21974	5.77401	1.63779	1.78501	12.01584	1.94853
60	1.78045	2.29088	3.30774	5.81184	1.69866	1.85134	12.46241	1.99525
61	1.82136	2.35133	3.39574	5.84967	1.76430	1.92288	12.94392	2.04196
62	1.86227	2.41179	3.48375	5.88750	1.83507	2.00001	13.46314	2.08868
63	1.90319	2.47225	3.57175	5.92533	1.91139	2.08319	14.02310	2.13539
64	1.94410	2.53271	3.65975	5.96316	1.99372	2.17292	14.62711	2.18211
65	1.98501	2.59316	3.74775	6.00099	2.08254	2.26973	15.27880	2.22882

El Paso 2015 Summer Time Period 1 VOC Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HdGV	LDDV	LDDT	HDDV	MC
3	2.17407	2.66753	6.85318	6.82183	1.14523	1.53013	4.43164	14.03449
4	1.58625	1.95600	5.19493	5.96819	1.08729	1.45272	4.20742	11.84599
5	1.26616	1.56300	4.23836	5.34834	1.03319	1.38043	3.99806	10.22509
6	1.06634	1.31514	3.61665	4.84853	0.98264	1.31290	3.80246	9.00164
7	0.93027	1.14501	3.18040	4.42556	0.93539	1.24976	3.61962	8.06221
8	0.84709	1.03735	2.87586	4.07751	0.89119	1.19072	3.44860	7.32952
9	0.78307	0.95376	2.63914	3.76743	0.84984	1.13546	3.28856	6.74986
10	0.73092	0.88538	2.44803	3.48813	0.81111	1.08372	3.13870	6.28516
11	0.68741	0.82805	2.29010	3.23593	0.77483	1.03524	2.99831	5.90798
12	0.65038	0.77902	2.15705	3.00768	0.74082	0.98981	2.86672	5.59820
13	0.61834	0.73637	2.04314	2.80070	0.70893	0.94720	2.74332	5.34086
14	0.59021	0.69873	1.94427	2.61266	0.67901	0.90723	2.62754	5.12464
15	0.56521	0.66511	1.85742	2.44154	0.65093	0.86970	2.51887	4.94091
16	0.54276	0.63474	1.78035	2.28555	0.62456	0.83447	2.41681	4.78300
17	0.52240	0.60705	1.71133	2.14313	0.59978	0.80136	2.32093	4.64567
18	0.50379	0.58160	1.64902	2.01290	0.57649	0.77025	2.23082	4.52484
19	0.48665	0.55804	1.59236	1.89363	0.55460	0.74099	2.14610	4.41727
20	0.46687	0.53374	1.52686	1.78615	0.53400	0.71348	2.06641	4.32037
21	0.44822	0.51358	1.46556	1.69044	0.51463	0.68759	1.99142	4.23213
22	0.43119	0.49519	1.40978	1.60278	0.49639	0.66322	1.92085	4.15093
23	0.41556	0.47836	1.35879	1.52241	0.47922	0.64028	1.85442	4.07550
24	0.40116	0.46289	1.31199	1.44866	0.46305	0.61868	1.79185	4.00488
25	0.38785	0.44860	1.26889	1.38090	0.44782	0.59834	1.73292	3.93830
26	0.37549	0.43538	1.22905	1.31859	0.43348	0.57917	1.67741	3.87521
27	0.36399	0.42309	1.19212	1.26124	0.41996	0.56111	1.62510	3.81521
28	0.35324	0.41164	1.15778	1.20841	0.40722	0.54409	1.57581	3.75802
29	0.34317	0.40094	1.12577	1.15971	0.39522	0.52805	1.52936	3.70346
30	0.33372	0.39092	1.09584	1.11478	0.38391	0.51294	1.48559	3.65141
31	0.32482	0.38150	1.06781	1.07330	0.37325	0.49869	1.44434	3.60185
32	0.31642	0.37264	1.04149	1.03499	0.36320	0.48527	1.40547	3.55477
33	0.30848	0.36429	1.01672	0.99958	0.35374	0.47263	1.36885	3.51021
34	0.30095	0.35639	0.99338	0.96684	0.34483	0.46072	1.33436	3.46819
35	0.29381	0.34891	0.97133	0.93656	0.33643	0.44951	1.30188	3.42881
36	0.28701	0.34182	0.95047	0.90855	0.32853	0.43895	1.27131	3.39209
37	0.28054	0.33508	0.93070	0.88264	0.32110	0.42902	1.24256	3.35809
38	0.27435	0.32867	0.91194	0.85867	0.31412	0.41969	1.21552	3.32683
39	0.26844	0.32255	0.89411	0.83650	0.30755	0.41092	1.19012	3.29834
40	0.26279	0.31671	0.87714	0.81601	0.30139	0.40268	1.16627	3.27260
41	0.25736	0.31114	0.86097	0.79707	0.29561	0.39496	1.14391	3.24960
42	0.25216	0.30580	0.84554	0.77960	0.29020	0.38773	1.12296	3.22925
43	0.24715	0.30068	0.83079	0.76348	0.28514	0.38097	1.10337	3.21140
44	0.24233	0.29577	0.81668	0.74865	0.28041	0.37465	1.08508	3.19597
45	0.23769	0.29105	0.80318	0.73502	0.27600	0.36876	1.06802	3.18273
46	0.23321	0.28652	0.79023	0.72252	0.27190	0.36329	1.05217	3.17144
47	0.22889	0.28215	0.77781	0.71110	0.26810	0.35821	1.03746	3.16176
48	0.22475	0.27796	0.76590	0.70076	0.26458	0.35351	1.02385	3.15330
49	0.22410	0.27727	0.76512	0.69198	0.26135	0.34918	1.01131	3.15330
50	0.22348	0.27662	0.76438	0.68415	0.25837	0.34521	0.99981	3.15330
51	0.22289	0.27601	0.76369	0.67725	0.25566	0.34158	0.98931	3.15330
52	0.22234	0.27543	0.76303	0.67124	0.25320	0.33829	0.97978	3.15330
53	0.22181	0.27488	0.76241	0.66607	0.25098	0.33533	0.97119	3.15330
54	0.22132	0.27436	0.76182	0.66174	0.24900	0.33268	0.96353	3.15330
55	0.22085	0.27387	0.76127	0.65821	0.24725	0.33035	0.95677	3.15330
56	0.22601	0.27934	0.78020	0.65548	0.24573	0.32832	0.95090	3.26115
57	0.23120	0.28483	0.79917	0.65352	0.24444	0.32659	0.94589	3.36901
58	0.23640	0.29034	0.81816	0.65233	0.24336	0.32516	0.94174	3.47687
59	0.24163	0.29587	0.83717	0.65191	0.24251	0.32402	0.93843	3.58473
60	0.24688	0.30142	0.85620	0.65225	0.24187	0.32316	0.93595	3.69259
61	0.25214	0.30699	0.87526	0.65335	0.24144	0.32259	0.93431	3.80044
62	0.25742	0.31257	0.89433	0.65522	0.24123	0.32231	0.93349	3.90830
63	0.26271	0.31817	0.91342	0.65788	0.24123	0.32231	0.93349	4.01616
64	0.26802	0.32379	0.93252	0.66133	0.24145	0.32259	0.93431	4.12402
65	0.27334	0.32942	0.95165	0.66559	0.24187	0.32316	0.93595	4.23188

El Paso 2015 Summer Time Period 1 CO Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	16.22768	19.15511	63.40817	59.27708	4.49156	4.92221	34.57172	153.99066
4	12.74003	15.13964	50.11583	54.15898	4.13948	4.53637	31.86174	122.81093
5	10.64744	12.73033	42.14047	49.59167	3.82195	4.18840	29.41769	100.30652
6	9.25238	11.12413	36.82356	45.50963	3.53520	3.87415	27.21060	83.70009
7	8.25590	9.97684	33.02576	41.85553	3.27593	3.59002	25.21494	71.19595
8	7.50855	9.11638	30.17743	38.57961	3.04119	3.33278	23.40822	61.60466
9	6.92727	8.44713	27.96205	35.63840	2.82843	3.09962	21.77051	54.12119
10	6.46226	7.91173	26.18971	32.99391	2.63534	2.88801	20.28430	48.18875
11	6.08179	7.47367	24.73964	30.61301	2.45990	2.69576	18.93394	43.41525
12	5.76473	7.10863	23.53128	28.46640	2.30033	2.52088	17.70572	39.51945
13	5.49645	6.79975	22.50880	26.52864	2.15502	2.36165	16.58731	36.29637
14	5.26649	6.53498	21.63239	24.77721	2.02257	2.21650	15.56786	33.59430
15	5.06720	6.30552	20.87280	23.19241	1.90172	2.08406	14.63766	31.29948
16	4.89281	6.10475	20.20821	21.75676	1.79135	1.96311	13.78814	29.32573
17	4.73895	5.92760	19.62178	20.45497	1.69046	1.85254	13.01156	27.60689
18	4.60218	5.77013	19.10052	19.27339	1.59816	1.75139	12.30111	26.09200
19	4.47980	5.62923	18.63412	18.20006	1.51365	1.65877	11.65060	24.74129
20	4.29101	5.41558	17.92690	17.22438	1.43621	1.57392	11.05462	23.52399
21	4.04675	5.12862	16.97697	16.33688	1.36523	1.49613	10.50822	22.41586
22	3.82471	4.86774	16.11343	15.52927	1.30011	1.42477	10.00703	21.39819
23	3.62196	4.62955	15.32497	14.79406	1.24036	1.35928	9.54711	20.45628
24	3.43612	4.41121	14.60220	14.12471	1.18551	1.29917	9.12491	19.57887
25	3.26514	4.21033	13.93726	13.51535	1.13515	1.24398	8.73727	18.75742
26	3.10731	4.02491	13.32346	12.96076	1.08890	1.19331	8.38134	17.98524
27	2.96118	3.85322	12.75513	12.45631	1.04645	1.14678	8.05456	17.25755
28	2.82548	3.69380	12.22739	11.99783	1.00748	1.10408	7.75461	16.57059
29	2.69914	3.54537	11.73605	11.58170	0.97173	1.06490	7.47945	15.92184
30	2.58122	3.40683	11.27746	11.20462	0.93896	1.02898	7.22717	15.30945
31	2.47092	3.27723	10.84846	10.86368	0.90894	0.99609	6.99613	14.73190
32	2.36750	3.15574	10.44628	10.55632	0.88149	0.96600	6.78482	14.18816
33	2.27035	3.04160	10.06847	10.28026	0.85642	0.93853	6.59188	13.67779
34	2.17892	2.93418	9.71288	10.03346	0.83358	0.91350	6.41607	13.19974
35	2.09271	2.83290	9.37761	9.81415	0.81283	0.89076	6.25635	12.75383
36	2.01130	2.73725	9.06097	9.62078	0.79404	0.87017	6.11172	12.33901
37	1.93428	2.64676	8.76145	9.45199	0.77709	0.85160	5.98130	11.95513
38	1.86131	2.56104	8.47768	9.30662	0.76189	0.83494	5.86432	11.60097
39	1.79209	2.47971	8.20847	9.18365	0.74836	0.82011	5.76012	11.27576
40	1.72633	2.40245	7.95272	9.08228	0.73640	0.80700	5.66806	10.97847
41	1.66378	2.32896	7.70945	9.00181	0.72595	0.79555	5.58764	10.70789
42	1.60420	2.25897	7.47776	8.94169	0.71695	0.78569	5.51840	10.46234
43	1.54740	2.19223	7.25685	8.90155	0.70936	0.77737	5.45994	10.24029
44	1.49318	2.12853	7.04597	8.88110	0.70312	0.77053	5.41194	10.03952
45	1.44137	2.06766	6.84448	8.88022	0.69821	0.76515	5.37414	9.85794
46	1.39181	2.00944	6.65174	8.89888	0.69459	0.76119	5.34631	9.69293
47	1.34436	1.95369	6.46720	8.93723	0.69226	0.75863	5.32832	9.54124
48	1.29888	1.90027	6.29035	8.99551	0.69119	0.75746	5.32007	9.39969
49	1.29888	1.90027	6.29035	9.07411	0.69137	0.75766	5.32151	9.39969
50	1.29888	1.90027	6.29035	9.17356	0.69282	0.75924	5.33264	9.39969
51	1.29888	1.90027	6.29035	9.29452	0.69553	0.76222	5.35353	9.39969
52	1.29888	1.90027	6.29035	9.43783	0.69953	0.76660	5.38430	9.39969
53	1.29888	1.90027	6.29035	9.60443	0.70483	0.77241	5.42511	9.39969
54	1.29888	1.90027	6.29035	9.79553	0.71147	0.77968	5.47617	9.39969
55	1.29888	1.90027	6.29035	10.01241	0.71947	0.78845	5.53780	9.39969
56	1.41781	2.05375	6.79843	10.25664	0.72889	0.79878	5.61032	11.66341
57	1.53674	2.20724	7.30650	10.52996	0.73978	0.81071	5.69414	13.92713
58	1.65567	2.36072	7.81458	10.83438	0.75220	0.82432	5.78974	16.19084
59	1.77460	2.51421	8.32266	11.17216	0.76623	0.83969	5.89767	18.45454
60	1.89353	2.66769	8.83074	11.54584	0.78193	0.85690	6.01855	20.71826
61	2.01246	2.82118	9.33881	11.95829	0.79941	0.87606	6.15311	22.98198
62	2.13139	2.97467	9.84689	12.41276	0.81877	0.89728	6.30213	25.24564
63	2.25032	3.12815	10.35497	12.91288	0.84013	0.92068	6.46651	27.50937
64	2.36925	3.28164	10.86304	13.46274	0.86362	0.94642	6.64728	29.77309
65	2.48818	3.43512	11.37112	14.06687	0.88937	0.97465	6.84554	32.03682

El Paso 2015 Summer Time Period 1 NOx Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	0.78576	1.09652	2.07272	3.14601	1.88288	2.10388	11.40935	0.90848
4	0.71820	1.00225	1.89453	3.17857	1.80358	2.01527	10.92882	0.86895
5	0.67767	0.94569	1.78761	3.21112	1.73007	1.93313	10.48340	0.83614
6	0.65065	0.90798	1.71633	3.24368	1.66192	1.85698	10.07043	0.80955
7	0.63135	0.88105	1.66542	3.27623	1.59872	1.78636	9.68747	0.78867
8	0.61688	0.86085	1.62723	3.30879	1.54011	1.72087	9.33231	0.77302
9	0.60562	0.84513	1.59754	3.34134	1.48575	1.66014	9.00296	0.76214
10	0.59661	0.83257	1.57378	3.37390	1.43536	1.60382	8.69757	0.75560
11	0.58924	0.82228	1.55434	3.40645	1.38864	1.55162	8.41447	0.75296
12	0.58310	0.81371	1.53814	3.43901	1.34535	1.50325	8.15216	0.75382
13	0.57790	0.80646	1.52443	3.47156	1.30526	1.45846	7.90925	0.75778
14	0.57345	0.80024	1.51268	3.50412	1.26817	1.41701	7.68448	0.76449
15	0.56959	0.79486	1.50250	3.53667	1.23388	1.37870	7.47670	0.77357
16	0.56621	0.79014	1.49359	3.56923	1.20222	1.34333	7.28490	0.78471
17	0.56323	0.78599	1.48573	3.60178	1.17305	1.31073	7.10808	0.79758
18	0.56058	0.78229	1.47874	3.63434	1.14620	1.28073	6.94542	0.81189
19	0.55821	0.77898	1.47249	3.66690	1.12156	1.25320	6.79612	0.82735
20	0.55953	0.77383	1.46275	3.69945	1.09901	1.22801	6.65949	0.84370
21	0.56311	0.77472	1.46443	3.73201	1.07845	1.20503	6.53487	0.86071
22	0.56636	0.77552	1.46596	3.76456	1.05977	1.18416	6.42170	0.87813
23	0.56933	0.77626	1.46735	3.79711	1.04290	1.16530	6.31946	0.89577
24	0.57206	0.77694	1.46863	3.82967	1.02775	1.14838	6.22767	0.91344
25	0.57456	0.77756	1.46980	3.86223	1.01427	1.13331	6.14595	0.93095
26	0.57688	0.77813	1.47088	3.89478	1.00238	1.12003	6.07391	0.94817
27	0.57902	0.77866	1.47189	3.92734	0.99204	1.10847	6.01125	0.96495
28	0.58101	0.77916	1.47282	3.95989	0.98320	1.09859	5.95769	0.98118
29	0.58286	0.77962	1.47369	3.99245	0.97582	1.09035	5.91300	0.99675
30	0.58459	0.78004	1.47450	4.02500	0.96988	1.08371	5.87698	1.01159
31	0.58620	0.78045	1.47526	4.05756	0.96534	1.07864	5.84948	1.02563
32	0.58772	0.78082	1.47597	4.09011	0.96219	1.07512	5.83039	1.03883
33	0.58914	0.78117	1.47664	4.12267	0.96041	1.07313	5.81961	1.05116
34	0.59048	0.78151	1.47726	4.15522	0.96000	1.07267	5.81710	1.06261
35	0.59174	0.78182	1.47786	4.18778	0.96095	1.07373	5.82287	1.07320
36	0.59294	0.78212	1.47842	4.22033	0.96327	1.07632	5.83692	1.08294
37	0.59406	0.78240	1.47894	4.25288	0.96696	1.08045	5.85932	1.09189
38	0.59513	0.78266	1.47945	4.28544	0.97205	1.08614	5.89016	1.10010
39	0.59615	0.78291	1.47992	4.31800	0.97856	1.09341	5.92957	1.10767
40	0.59711	0.78315	1.48037	4.35055	0.98651	1.10229	5.97774	1.11468
41	0.59803	0.78338	1.48080	4.38311	0.99593	1.11283	6.03486	1.12126
42	0.59890	0.78360	1.48121	4.41566	1.00688	1.12506	6.10118	1.12755
43	0.59973	0.78380	1.48160	4.44822	1.01939	1.13904	6.17701	1.13369
44	0.60053	0.78400	1.48198	4.48078	1.03352	1.15483	6.26264	1.13986
45	0.60129	0.78419	1.48233	4.51333	1.04934	1.17250	6.35850	1.14625
46	0.60201	0.78437	1.48267	4.54589	1.06692	1.19214	6.46500	1.15307
47	0.60271	0.78454	1.48300	4.57844	1.08633	1.21383	6.58262	1.16054
48	0.60338	0.78471	1.48331	4.61100	1.10767	1.23767	6.71190	1.16892
49	0.62064	0.81380	1.53830	4.64355	1.13103	1.26377	6.85346	1.20698
50	0.63791	0.84289	1.59330	4.67611	1.15652	1.29226	7.00794	1.24504
51	0.65518	0.87199	1.64829	4.70866	1.18427	1.32326	7.17607	1.28311
52	0.67245	0.90108	1.70329	4.74122	1.21441	1.35694	7.35870	1.32117
53	0.68972	0.93017	1.75828	4.77377	1.24708	1.39345	7.55669	1.35923
54	0.70699	0.95927	1.81328	4.80632	1.28245	1.43297	7.77102	1.39729
55	0.72426	0.98836	1.86828	4.83888	1.32070	1.47571	8.00282	1.43536
56	0.74153	1.01745	1.92327	4.87144	1.36203	1.52189	8.25321	1.47342
57	0.75880	1.04655	1.97826	4.90399	1.40664	1.57174	8.52356	1.51148
58	0.77607	1.07564	2.03326	4.93654	1.45478	1.62553	8.81524	1.54955
59	0.79334	1.10473	2.08825	4.96910	1.50670	1.68354	9.12988	1.58761
60	0.81061	1.13383	2.14325	5.00166	1.56270	1.74611	9.46919	1.62567
61	0.82788	1.16292	2.19824	5.03421	1.62308	1.81358	9.83505	1.66373
62	0.84514	1.19201	2.25324	5.06677	1.68819	1.88633	10.22957	1.70180
63	0.86241	1.22111	2.30824	5.09933	1.75840	1.96478	10.65504	1.73986
64	0.87968	1.25020	2.36323	5.13188	1.83414	2.04941	11.11398	1.77792
65	0.89695	1.27929	2.41822	5.16444	1.91585	2.14072	11.60914	1.81598

El Paso 2015 Summer Time Period 2 VOC Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDBGV	LDDV	LDDT	HDDV	MC
3	2.95728	3.24569	7.53370	8.11089	1.14523	1.53013	4.43164	16.13817
4	2.07873	2.29004	5.58527	6.87378	1.08729	1.45272	4.20742	13.97550
5	1.61630	1.78463	4.49505	6.06416	1.03319	1.38043	3.99806	12.37373
6	1.33497	1.47600	3.80109	5.45416	0.98264	1.31290	3.80246	11.16471
7	1.14723	1.26943	3.32149	4.96023	0.93539	1.24976	3.61962	10.23637
8	1.04376	1.14884	3.00152	4.58225	0.89119	1.19072	3.44860	9.51233
9	0.96428	1.05667	2.75455	4.24889	0.84984	1.13546	3.28856	8.93951
10	0.89856	0.98171	2.55557	3.94911	0.81111	1.08372	3.13870	8.48029
11	0.84285	0.91926	2.39149	3.67850	0.77483	1.03524	2.99831	8.10756
12	0.79465	0.86620	2.25359	3.43345	0.74082	0.98981	2.86672	7.80143
13	0.75222	0.82035	2.13582	3.21093	0.70893	0.94720	2.74332	7.54713
14	0.71433	0.78018	2.03387	3.00837	0.67901	0.90723	2.62754	7.33346
15	0.68006	0.74454	1.94458	2.82355	0.65093	0.86970	2.51887	7.15190
16	0.64875	0.71259	1.86557	2.65457	0.62456	0.83447	2.41681	6.99585
17	0.61986	0.68368	1.79503	2.49975	0.59978	0.80136	2.32093	6.86014
18	0.59300	0.65730	1.73155	2.35760	0.57649	0.77025	2.23082	6.74074
19	0.56785	0.63304	1.67400	2.22685	0.55460	0.74099	2.14610	6.63443
20	0.54237	0.60756	1.60707	2.11095	0.53400	0.71348	2.06641	6.53868
21	0.52141	0.58532	1.54332	2.01118	0.51463	0.68759	1.99142	6.45148
22	0.50220	0.56502	1.48527	1.91975	0.49639	0.66322	1.92085	6.37124
23	0.48453	0.54640	1.43217	1.83587	0.47922	0.64028	1.85442	6.29670
24	0.46820	0.52926	1.38341	1.75881	0.46305	0.61868	1.79185	6.22691
25	0.45305	0.51341	1.33847	1.68794	0.44782	0.59834	1.73292	6.16112
26	0.43895	0.49872	1.29691	1.62270	0.43348	0.57917	1.67741	6.09878
27	0.42577	0.48504	1.25834	1.56257	0.41996	0.56111	1.62510	6.03948
28	0.41342	0.47227	1.22246	1.50710	0.40722	0.54409	1.57581	5.98297
29	0.40182	0.46033	1.18897	1.45589	0.39522	0.52805	1.52936	5.92905
30	0.39088	0.44911	1.15765	1.40857	0.38391	0.51294	1.48559	5.87761
31	0.38055	0.43856	1.12828	1.36480	0.37325	0.49869	1.44434	5.82864
32	0.37076	0.42862	1.10068	1.32428	0.36320	0.48527	1.40547	5.78211
33	0.36148	0.41922	1.07469	1.28676	0.35374	0.47263	1.36885	5.73808
34	0.35264	0.41032	1.05017	1.25199	0.34483	0.46072	1.33436	5.69656
35	0.34422	0.40187	1.02699	1.21976	0.33643	0.44951	1.30188	5.65764
36	0.33618	0.39384	1.00504	1.18986	0.32853	0.43895	1.27131	5.62136
37	0.32849	0.38620	0.98422	1.16211	0.32110	0.42902	1.24256	5.58775
38	0.32113	0.37891	0.96443	1.13637	0.31412	0.41969	1.21552	5.55686
39	0.31406	0.37195	0.94561	1.11248	0.30755	0.41092	1.19012	5.52871
40	0.30726	0.36529	0.92768	1.09032	0.30139	0.40268	1.16627	5.50327
41	0.30072	0.35891	0.91057	1.06976	0.29561	0.39496	1.14391	5.48055
42	0.29441	0.35279	0.89422	1.05069	0.29020	0.38773	1.12296	5.46043
43	0.28833	0.34691	0.87859	1.03303	0.28514	0.38097	1.10337	5.44279
44	0.28245	0.34126	0.86362	1.01669	0.28041	0.37465	1.08508	5.42755
45	0.27676	0.33581	0.84926	1.00158	0.27600	0.36876	1.06802	5.41447
46	0.27125	0.33057	0.83549	0.98764	0.27190	0.36329	1.05217	5.40331
47	0.26591	0.32550	0.82226	0.97481	0.26810	0.35821	1.03746	5.39374
48	0.26081	0.32064	0.80955	0.96313	0.26458	0.35351	1.02385	5.38538
49	0.25958	0.31934	0.80805	0.95351	0.26135	0.34918	1.01131	5.38538
50	0.25842	0.31811	0.80663	0.94490	0.25837	0.34521	0.99981	5.38538
51	0.25732	0.31696	0.80529	0.93726	0.25566	0.34158	0.98931	5.38538
52	0.25628	0.31587	0.80403	0.93055	0.25320	0.33829	0.97978	5.38538
53	0.25530	0.31484	0.80283	0.92474	0.25098	0.33533	0.97119	5.38538
54	0.25438	0.31386	0.80171	0.91980	0.24900	0.33268	0.96353	5.38538
55	0.25350	0.31294	0.80063	0.91571	0.24725	0.33035	0.95677	5.38538
56	0.25282	0.31800	0.81909	0.91245	0.24573	0.32832	0.95090	5.49196
57	0.26310	0.32310	0.83759	0.91000	0.24444	0.32659	0.94589	5.59855
58	0.26796	0.32824	0.85614	0.90835	0.24336	0.32516	0.94174	5.70513
59	0.27286	0.33342	0.87474	0.90749	0.24251	0.32402	0.93843	5.81172
60	0.27779	0.33864	0.89338	0.90743	0.24187	0.32316	0.93595	5.91830
61	0.28276	0.34390	0.91206	0.90816	0.24144	0.32259	0.93431	6.02489
62	0.28775	0.34918	0.93077	0.90969	0.24123	0.32231	0.93349	6.13148
63	0.29277	0.35449	0.94952	0.91203	0.24123	0.32231	0.93349	6.23806
64	0.29782	0.35984	0.96831	0.91518	0.24145	0.32259	0.93431	6.34465
65	0.30290	0.36520	0.98712	0.91918	0.24187	0.32316	0.93595	6.45123

El Paso 2015 Summer Time Period 2 CO Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	16.22768	19.15511	63.40817	60.01758	4.49156	4.92221	34.57172	197.78737
4	12.74003	15.13964	50.11583	54.83549	4.13948	4.53637	31.86174	157.73976
5	10.64744	12.73033	42.14047	50.21118	3.82195	4.18840	29.41769	128.83488
6	9.25238	11.12413	36.82356	46.07813	3.53520	3.87415	27.21060	107.50539
7	8.25590	9.97684	33.02576	42.37834	3.27593	3.59002	25.21494	91.44495
8	7.50855	9.11638	30.17743	39.06154	3.04119	3.33278	23.40822	79.12579
9	6.92727	8.44713	27.96205	36.08359	2.82843	3.09962	21.77051	69.51389
10	6.46226	7.91173	26.18971	33.40608	2.63534	2.88801	20.28430	61.89418
11	6.08179	7.47367	24.73964	30.99539	2.45990	2.69576	18.93394	55.76305
12	5.76473	7.10863	23.53128	28.82199	2.30033	2.52088	17.70572	50.75923
13	5.49645	6.79975	22.50880	26.86003	2.15502	2.36165	16.58731	46.61948
14	5.26649	6.53498	21.63239	25.08670	2.02257	2.21650	15.56786	43.14891
15	5.06720	6.30552	20.87280	23.48212	1.90172	2.08406	14.63766	40.20143
16	4.89281	6.10475	20.20821	22.02853	1.79135	1.96311	13.78814	37.66632
17	4.73895	5.92760	19.62178	20.71048	1.69046	1.85254	13.01156	35.45862
18	4.60218	5.77013	19.10052	19.51414	1.59816	1.75139	12.30111	33.51286
19	4.47980	5.62923	18.63412	18.42741	1.51365	1.65877	11.65060	31.77802
20	4.29101	5.41558	17.92690	17.43954	1.43621	1.57392	11.05462	30.21448
21	4.04675	5.12862	16.97697	16.54097	1.36523	1.49613	10.50822	28.79117
22	3.82471	4.86774	16.11343	15.72325	1.30011	1.42477	10.00703	27.48407
23	3.62196	4.62955	15.32497	14.97887	1.24036	1.35928	9.54711	26.27426
24	3.43612	4.41121	14.60220	14.30116	1.18551	1.29917	9.12491	25.14731
25	3.26514	4.21033	13.93726	13.68418	1.13515	1.24398	8.73727	24.09221
26	3.10731	4.02491	13.32346	13.12267	1.08890	1.19331	8.38134	23.10045
27	2.96118	3.85322	12.75513	12.61191	1.04645	1.14678	8.05456	22.16579
28	2.82548	3.69380	12.22739	12.14770	1.00748	1.10408	7.75461	21.28340
29	2.69914	3.54537	11.73605	11.72638	0.97173	1.06490	7.47945	20.45016
30	2.58122	3.40683	11.27746	11.34459	0.93896	1.02898	7.22717	19.66360
31	2.47092	3.27723	10.84846	10.99939	0.90894	0.99609	6.99613	18.92178
32	2.36750	3.15574	10.44628	10.68820	0.88149	0.96600	6.78482	18.22340
33	2.27035	3.04160	10.06847	10.40868	0.85642	0.93853	6.59188	17.56790
34	2.17892	2.93418	9.71288	10.15880	0.83358	0.91350	6.41607	16.95389
35	2.09271	2.83290	9.37761	9.93675	0.81283	0.89076	6.25635	16.38116
36	2.01130	2.73725	9.06097	9.74096	0.79404	0.87017	6.11172	15.84837
37	1.93428	2.64676	8.76145	9.57006	0.77709	0.85160	5.98130	15.35530
38	1.86131	2.56104	8.47768	9.42288	0.76189	0.83494	5.86432	14.90042
39	1.79209	2.47971	8.20847	9.29837	0.74836	0.82011	5.76012	14.48271
40	1.72633	2.40245	7.95272	9.19573	0.73640	0.80700	5.66806	14.10087
41	1.66378	2.32896	7.70945	9.11425	0.72595	0.79555	5.58764	13.75334
42	1.60420	2.25897	7.47776	9.05339	0.71695	0.78569	5.51840	13.43795
43	1.54740	2.19223	7.25685	9.01275	0.70936	0.77737	5.45994	13.15275
44	1.49318	2.12853	7.04597	8.99204	0.70312	0.77053	5.41194	12.89487
45	1.44137	2.06766	6.84448	8.99115	0.69821	0.76515	5.37414	12.66165
46	1.39181	2.00944	6.65174	9.01004	0.69459	0.76119	5.34631	12.44971
47	1.34436	1.95369	6.46720	9.04887	0.69226	0.75863	5.32832	12.25488
48	1.29888	1.90027	6.29035	9.10788	0.69119	0.75746	5.32007	12.07307
49	1.29888	1.90027	6.29035	9.18747	0.69137	0.75766	5.32151	12.07307
50	1.29888	1.90027	6.29035	9.28815	0.69282	0.75924	5.33264	12.07307
51	1.29888	1.90027	6.29035	9.41063	0.69553	0.76222	5.35353	12.07307
52	1.29888	1.90027	6.29035	9.55572	0.69953	0.76660	5.38430	12.07307
53	1.29888	1.90027	6.29035	9.72441	0.70483	0.77241	5.42511	12.07307
54	1.29888	1.90027	6.29035	9.91789	0.71147	0.77968	5.47617	12.07307
55	1.29888	1.90027	6.29035	10.13748	0.71947	0.78845	5.53780	12.07307
56	1.41781	2.05375	6.79843	10.38477	0.72889	0.79878	5.61032	14.98061
57	1.53674	2.20724	7.30650	10.66150	0.73978	0.81071	5.69414	17.88814
58	1.65567	2.36072	7.81458	10.96972	0.75220	0.82432	5.78974	20.79568
59	1.77460	2.51421	8.32266	11.31172	0.76623	0.83969	5.89767	23.70322
60	1.89353	2.66769	8.83074	11.69007	0.78193	0.85690	6.01855	26.61075
61	2.01246	2.82118	9.33881	12.10767	0.79941	0.87606	6.15311	29.51831
62	2.13139	2.97467	9.84689	12.56782	0.81877	0.89728	6.30213	32.42581
63	2.25032	3.12815	10.35497	13.07419	0.84013	0.92068	6.46651	35.33339
64	2.36925	3.28164	10.86304	13.63091	0.86362	0.94642	6.64728	38.24089
65	2.48818	3.43512	11.37112	14.24259	0.88937	0.97465	6.84554	41.14845

El Paso 2015 Summer Time Period 2 NOx Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HdGV	LDDV	LDDT	HDDV	MC
3	0.80041	1.11711	2.11272	3.21158	1.88288	2.10388	11.40935	0.80643
4	0.73160	1.02107	1.93109	3.24481	1.80358	2.01527	10.92882	0.77133
5	0.69031	0.96345	1.82211	3.27805	1.73007	1.93313	10.48340	0.74221
6	0.66278	0.92503	1.74946	3.31128	1.66192	1.85698	10.07043	0.71861
7	0.64312	0.89759	1.69756	3.34451	1.59872	1.78636	9.68747	0.70007
8	0.62838	0.87701	1.65864	3.37775	1.54011	1.72087	9.33231	0.68618
9	0.61691	0.86101	1.62837	3.41098	1.48575	1.66014	9.00296	0.67653
10	0.60773	0.84820	1.60415	3.44422	1.43536	1.60382	8.69757	0.67072
11	0.60023	0.83772	1.58434	3.47745	1.38864	1.55162	8.41447	0.66838
12	0.59397	0.82899	1.56782	3.51068	1.34535	1.50325	8.15216	0.66914
13	0.58868	0.82161	1.55385	3.54392	1.30526	1.45846	7.90925	0.67266
14	0.58414	0.81527	1.54188	3.57715	1.26817	1.41701	7.68448	0.67861
15	0.58021	0.80979	1.53150	3.61038	1.23388	1.37870	7.47670	0.68667
16	0.57677	0.80498	1.52242	3.64362	1.20222	1.34333	7.28490	0.69656
17	0.57373	0.80075	1.51440	3.67685	1.17305	1.31073	7.10808	0.70799
18	0.57104	0.79698	1.50728	3.71009	1.14620	1.28073	6.94542	0.72068
19	0.56862	0.79361	1.50091	3.74332	1.12156	1.25320	6.79612	0.73441
20	0.56996	0.78836	1.49098	3.77655	1.09901	1.22801	6.65949	0.74893
21	0.57361	0.78927	1.49269	3.80978	1.07845	1.20503	6.53487	0.76402
22	0.57692	0.79009	1.49425	3.84302	1.05977	1.18416	6.42170	0.77949
23	0.57995	0.79084	1.49567	3.87625	1.04290	1.16530	6.31946	0.79514
24	0.58272	0.79153	1.49697	3.90948	1.02775	1.14838	6.22767	0.81082
25	0.58528	0.79216	1.49817	3.94272	1.01427	1.13331	6.14595	0.82637
26	0.58763	0.79275	1.49927	3.97595	1.00238	1.12003	6.07397	0.84166
27	0.58981	0.79329	1.50030	4.00919	0.99204	1.10847	6.01125	0.85655
28	0.59184	0.79379	1.50125	4.04242	0.98320	1.09859	5.95769	0.87096
29	0.59373	0.79426	1.50213	4.07565	0.97582	1.09035	5.91300	0.88478
30	0.59549	0.79469	1.50296	4.10889	0.96988	1.08371	5.87698	0.89795
31	0.59713	0.79510	1.50373	4.14212	0.96534	1.07864	5.84948	0.91042
32	0.59868	0.79549	1.50445	4.17535	0.96219	1.07512	5.83039	0.92213
33	0.60013	0.79585	1.50514	4.20859	0.96041	1.07313	5.81961	0.93308
34	0.60149	0.79618	1.50577	4.24182	0.96000	1.07267	5.81710	0.94325
35	0.60278	0.79650	1.50638	4.27506	0.96095	1.07373	5.82287	0.95264
36	0.60399	0.79681	1.50695	4.30829	0.96327	1.07632	5.83692	0.96129
37	0.60514	0.79709	1.50749	4.34152	0.96696	1.08045	5.85932	0.96923
38	0.60623	0.79736	1.50800	4.37476	0.97205	1.08614	5.89016	0.97652
39	0.60726	0.79762	1.50848	4.40799	0.97856	1.09341	5.92957	0.98324
40	0.60825	0.79786	1.50895	4.44123	0.98651	1.10229	5.97774	0.98946
41	0.60918	0.79809	1.50938	4.47445	0.99593	1.11283	6.03486	0.99531
42	0.61007	0.79831	1.50980	4.50769	1.00688	1.12506	6.10118	1.00088
43	0.61092	0.79852	1.51020	4.54093	1.01939	1.13904	6.17701	1.00634
44	0.61173	0.79872	1.51058	4.57416	1.03352	1.15483	6.26264	1.01181
45	0.61250	0.79892	1.51094	4.60739	1.04934	1.17250	6.35850	1.01749
46	0.61324	0.79910	1.51129	4.64063	1.06692	1.19214	6.46500	1.02354
47	0.61395	0.79928	1.51162	4.67386	1.08633	1.21383	6.58262	1.03018
48	0.61463	0.79944	1.51194	4.70710	1.10767	1.23767	6.71190	1.03761
49	0.63222	0.82908	1.56799	4.74033	1.13103	1.26377	6.85346	1.07140
50	0.64981	0.85872	1.62405	4.77356	1.15652	1.29226	7.00794	1.10518
51	0.66740	0.88836	1.68011	4.80679	1.18427	1.32326	7.17607	1.13897
52	0.68499	0.91800	1.73616	4.84003	1.21441	1.35694	7.35870	1.17276
53	0.70258	0.94764	1.79222	4.87326	1.24708	1.39345	7.55669	1.20654
54	0.72017	0.97728	1.84827	4.90649	1.28245	1.43297	7.77102	1.24033
55	0.73776	1.00692	1.90434	4.93973	1.32070	1.47571	8.00282	1.27412
56	0.75536	1.03656	1.96039	4.97296	1.36203	1.52189	8.25321	1.30790
57	0.77295	1.06620	2.01645	5.00620	1.40664	1.57174	8.52356	1.34169
58	0.79054	1.09584	2.07250	5.03943	1.45478	1.62553	8.81524	1.37548
59	0.80813	1.12548	2.12856	5.07266	1.50670	1.68354	9.12988	1.40926
60	0.82572	1.15512	2.18462	5.10590	1.56270	1.74611	9.46919	1.44305
61	0.84331	1.18476	2.24067	5.13913	1.62308	1.81358	9.83505	1.47684
62	0.86090	1.21440	2.29673	5.17237	1.68819	1.88633	10.22957	1.51062
63	0.87849	1.24404	2.35278	5.20560	1.75840	1.96478	10.65504	1.54441
64	0.89609	1.27368	2.40884	5.23883	1.83414	2.04941	11.11398	1.57820
65	0.91368	1.30332	2.46489	5.27207	1.91585	2.14072	11.60914	1.61199

El Paso 2015 Summer Time Period 3 VOC Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	3.04516	3.31902	7.62186	8.28250	1.14523	1.53013	4.43164	16.36209
4	2.13282	2.33252	5.63599	6.99735	1.08729	1.45272	4.20742	14.20063
5	1.65410	1.81284	4.52846	6.16337	1.03319	1.38043	3.99806	12.59975
6	1.36356	1.49648	3.82511	5.53875	0.98264	1.31290	3.80246	11.39142
7	1.17005	1.28525	3.33986	5.03501	0.93539	1.24976	3.61962	10.46359
8	1.06434	1.16305	3.01793	4.65212	0.89119	1.19072	3.44860	9.73996
9	0.98320	1.06985	2.76969	4.31481	0.84984	1.13546	3.28856	9.16746
10	0.91604	0.99409	2.56973	4.01157	0.81111	1.08372	3.13870	8.70850
11	0.85907	0.93104	2.40490	3.73787	0.77483	1.03524	2.99831	8.33598
12	0.80972	0.87750	2.26641	3.49003	0.74082	0.98981	2.86672	8.03003
13	0.76626	0.83128	2.14818	3.26498	0.70893	0.94720	2.74332	7.77586
14	0.72740	0.79082	2.04586	3.06011	0.67901	0.90723	2.62754	7.56232
15	0.69224	0.75496	1.95629	2.87316	0.65093	0.86970	2.51887	7.38085
16	0.66007	0.72285	1.87706	2.70220	0.62456	0.83447	2.41681	7.22489
17	0.63038	0.69381	1.80636	2.54552	0.59978	0.80136	2.32093	7.08926
18	0.60274	0.66734	1.74275	2.40165	0.57649	0.77025	2.23082	6.96992
19	0.57684	0.64303	1.68513	2.26926	0.55460	0.74099	2.14610	6.86368
20	0.55081	0.61740	1.61801	2.15204	0.53400	0.71348	2.06641	6.76798
21	0.52958	0.59486	1.55391	2.05137	0.51463	0.68759	1.99142	6.68083
22	0.51013	0.57428	1.49552	1.95911	0.49639	0.66322	1.92085	6.60063
23	0.49222	0.55540	1.44212	1.87445	0.47922	0.64028	1.85442	6.52614
24	0.47568	0.53802	1.39307	1.79668	0.46305	0.61868	1.79185	6.45638
25	0.46032	0.52194	1.34785	1.72515	0.44782	0.59834	1.73292	6.39063
26	0.44602	0.50702	1.30602	1.65929	0.43348	0.57917	1.67741	6.32832
27	0.43266	0.49313	1.26721	1.59859	0.41996	0.56111	1.62510	6.26906
28	0.42013	0.48017	1.23108	1.54259	0.40722	0.54409	1.57581	6.21257
29	0.40836	0.46803	1.19737	1.49088	0.39522	0.52805	1.52936	6.15869
30	0.39726	0.45663	1.16583	1.44308	0.38391	0.51294	1.48559	6.10728
31	0.38677	0.44590	1.13625	1.39887	0.37325	0.49869	1.44434	6.05834
32	0.37683	0.43578	1.10844	1.35794	0.36320	0.48527	1.40547	6.01183
33	0.36740	0.42621	1.08225	1.32003	0.35374	0.47263	1.36885	5.96783
34	0.35843	0.41714	1.05754	1.28489	0.34483	0.46072	1.33436	5.92633
35	0.34987	0.40854	1.03417	1.25231	0.33643	0.44951	1.30188	5.88743
36	0.34170	0.40036	1.01204	1.22207	0.32853	0.43895	1.27131	5.85117
37	0.33388	0.39257	0.99104	1.19402	0.32110	0.42902	1.24256	5.81758
38	0.32639	0.38513	0.97108	1.16798	0.31412	0.41969	1.21552	5.78671
39	0.31919	0.37802	0.95209	1.14381	0.30755	0.41092	1.19012	5.75858
40	0.31228	0.37122	0.93399	1.12137	0.30139	0.40268	1.16627	5.73315
41	0.30562	0.36470	0.91672	1.10055	0.29561	0.39496	1.14391	5.71044
42	0.29920	0.35845	0.90022	1.08125	0.29020	0.38773	1.12296	5.69034
43	0.29300	0.35244	0.88443	1.06336	0.28514	0.38097	1.10337	5.67271
44	0.28701	0.34665	0.86931	1.04679	0.28041	0.37465	1.08508	5.65747
45	0.28121	0.34108	0.85480	1.03147	0.27600	0.36876	1.06802	5.64439
46	0.27560	0.33571	0.84088	1.01732	0.27190	0.36329	1.05217	5.63324
47	0.27015	0.33052	0.82750	1.00429	0.26810	0.35821	1.03746	5.62368
48	0.26495	0.32553	0.81466	0.99243	0.26458	0.35351	1.02385	5.61532
49	0.26365	0.32416	0.81306	0.98266	0.26135	0.34918	1.01131	5.61532
50	0.26242	0.32286	0.81156	0.97392	0.25837	0.34521	0.99981	5.61532
51	0.26126	0.32164	0.81014	0.96616	0.25566	0.34158	0.98931	5.61532
52	0.26016	0.32049	0.80880	0.95934	0.25320	0.33829	0.97978	5.61532
53	0.25913	0.31940	0.80753	0.95343	0.25098	0.33533	0.97119	5.61532
54	0.25815	0.31837	0.80634	0.94840	0.24900	0.33268	0.96353	5.61532
55	0.25722	0.31739	0.80520	0.94423	0.24725	0.33035	0.95677	5.61532
56	0.26196	0.32240	0.82359	0.94089	0.24573	0.32832	0.95090	5.72184
57	0.26673	0.32745	0.84204	0.93837	0.24444	0.32659	0.94589	5.82837
58	0.27155	0.33255	0.86054	0.93666	0.24336	0.32516	0.94174	5.93490
59	0.27641	0.33769	0.87908	0.93575	0.24251	0.32402	0.93843	6.04142
60	0.28130	0.34287	0.89767	0.93564	0.24187	0.32316	0.93595	6.14795
61	0.28623	0.34808	0.91630	0.93633	0.24144	0.32259	0.93431	6.25447
62	0.29119	0.35333	0.93497	0.93783	0.24123	0.32231	0.93349	6.36100
63	0.29618	0.35861	0.95368	0.94014	0.24123	0.32231	0.93349	6.46753
64	0.30120	0.36392	0.97242	0.94328	0.24145	0.32259	0.93431	6.57405
65	0.30624	0.36925	0.99120	0.94726	0.24187	0.32316	0.93595	6.68058

El Paso 2015 Summer Time Period 3 CO Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HdGV	LDDV	LDDT	HDDV	MC
3	16.22768	19.15511	63.40817	60.93912	4.49156	4.92221	34.57172	203.36868
4	12.74003	15.13964	50.11583	55.67744	4.13948	4.53637	31.86174	162.19099
5	10.64744	12.73033	42.14047	50.98212	3.82195	4.18840	29.41769	132.47043
6	9.25238	11.12413	36.82356	46.78560	3.53520	3.87415	27.21060	110.53906
7	8.25590	9.97684	33.02576	43.02905	3.27593	3.59002	25.21494	94.02539
8	7.50855	9.11638	30.17743	39.66127	3.04119	3.33278	23.40822	81.35860
9	6.92727	8.44713	27.96205	36.63762	2.82843	3.09962	21.77051	71.47549
10	6.46226	7.91173	26.18971	33.91901	2.63534	2.88801	20.28430	63.64073
11	6.08179	7.47367	24.73964	31.47130	2.45990	2.69576	18.93394	57.33659
12	5.76473	7.10863	23.53128	29.26451	2.30033	2.52088	17.70572	52.19160
13	5.49645	6.79975	22.50880	27.27245	2.15502	2.36165	16.58731	47.93498
14	5.26649	6.53498	21.63239	25.47191	2.02257	2.21650	15.56786	44.36650
15	5.06720	6.30552	20.87280	23.84267	1.90172	2.08406	14.63766	41.33588
16	4.89281	6.10475	20.20821	22.36676	1.79135	1.96311	13.78814	38.72922
17	4.73895	5.92760	19.62178	21.02846	1.69046	1.85254	13.01156	36.45921
18	4.60218	5.77013	19.10052	19.81377	1.59816	1.75139	12.30111	34.45854
19	4.47980	5.62923	18.63412	18.71034	1.51365	1.65877	11.65060	32.67473
20	4.29101	5.41558	17.92690	17.70731	1.43621	1.57392	11.05462	31.06708
21	4.04675	5.12862	16.97697	16.79494	1.36523	1.49613	10.50822	29.60359
22	3.82471	4.86774	16.11343	15.96467	1.30011	1.42477	10.00703	28.25964
23	3.62196	4.62955	15.32497	15.20886	1.24036	1.35928	9.54711	27.01569
24	3.43612	4.41121	14.60220	14.52074	1.18551	1.29917	9.12491	25.85695
25	3.26514	4.21033	13.93726	13.89429	1.13515	1.24398	8.73727	24.77208
26	3.10731	4.02491	13.32346	13.32415	1.08890	1.19331	8.38134	23.75230
27	2.96118	3.85322	12.75513	12.80555	1.04645	1.14678	8.05456	22.79126
28	2.82548	3.69380	12.22739	12.33422	1.00748	1.10408	7.75461	21.88402
29	2.69914	3.54537	11.73605	11.90643	0.97173	1.06490	7.47945	21.02724
30	2.58122	3.40683	11.27746	11.51877	0.93896	1.02898	7.22717	20.21849
31	2.47092	3.27723	10.84846	11.16827	0.90894	0.99609	6.99613	19.45572
32	2.36750	3.15574	10.44628	10.85230	0.88149	0.96600	6.78482	18.73766
33	2.27035	3.04160	10.06847	10.56850	0.85642	0.93853	6.59188	18.06361
34	2.17892	2.93418	9.71288	10.31478	0.83358	0.91350	6.41607	17.43231
35	2.09271	2.83290	9.37761	10.08932	0.81283	0.89076	6.25635	16.84341
36	2.01130	2.73725	9.06097	9.89052	0.79404	0.87017	6.11172	16.29558
37	1.93428	2.64676	8.76145	9.71700	0.77709	0.85160	5.98130	15.78861
38	1.86131	2.56104	8.47768	9.56755	0.76189	0.83494	5.86432	15.32089
39	1.79209	2.47971	8.20847	9.44114	0.74836	0.82011	5.76012	14.89139
40	1.72633	2.40245	7.95272	9.33693	0.73640	0.80700	5.66806	14.49878
41	1.66378	2.32896	7.70945	9.25420	0.72595	0.79555	5.58764	14.14144
42	1.60420	2.25897	7.47776	9.19240	0.71695	0.78569	5.51840	13.81715
43	1.54740	2.19223	7.25685	9.15113	0.70936	0.77737	5.45994	13.52390
44	1.49318	2.12853	7.04597	9.13010	0.70312	0.77053	5.41194	13.25875
45	1.44137	2.06766	6.84448	9.12920	0.69821	0.76515	5.37414	13.01895
46	1.39181	2.00944	6.65174	9.14838	0.69459	0.76119	5.34631	12.80102
47	1.34436	1.95369	6.46720	9.18781	0.69226	0.75863	5.32832	12.60070
48	1.29888	1.90027	6.29035	9.24772	0.69119	0.75746	5.32007	12.41376
49	1.29888	1.90027	6.29035	9.32853	0.69137	0.75766	5.32151	12.41376
50	1.29888	1.90027	6.29035	9.43076	0.69282	0.75924	5.33264	12.41376
51	1.29888	1.90027	6.29035	9.55512	0.69553	0.76222	5.35353	12.41376
52	1.29888	1.90027	6.29035	9.70245	0.69953	0.76660	5.38430	12.41376
53	1.29888	1.90027	6.29035	9.87372	0.70483	0.77241	5.42511	12.41376
54	1.29888	1.90027	6.29035	10.07017	0.71147	0.77968	5.47617	12.41376
55	1.29888	1.90027	6.29035	10.29313	0.71947	0.78845	5.53780	12.41376
56	1.41781	2.05375	6.79843	10.54421	0.72889	0.79878	5.61032	15.40335
57	1.53674	2.20724	7.30650	10.82520	0.73978	0.81071	5.69414	18.39291
58	1.65567	2.36072	7.81458	11.13815	0.75220	0.82432	5.78974	21.38249
59	1.77460	2.51421	8.32266	11.48540	0.76623	0.83969	5.89767	24.37210
60	1.89353	2.66769	8.83074	11.86956	0.78193	0.85690	6.01855	27.36165
61	2.01246	2.82118	9.33881	12.29358	0.79941	0.87606	6.15311	30.35127
62	2.13139	2.97467	9.84689	12.76079	0.81877	0.89728	6.30213	33.34081
63	2.25032	3.12815	10.35497	13.27493	0.84013	0.92068	6.46651	36.33043
64	2.36925	3.28164	10.86304	13.84020	0.86362	0.94642	6.64728	39.31999
65	2.48818	3.43512	11.37112	14.46128	0.88937	0.97465	6.84554	42.30962

El Paso 2015 Summer Time Period 3 NOx Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HdGV	LDDV	LDDT	HDDV	MC
3	0.80181	1.11907	2.11654	3.21819	1.88288	2.10388	11.40935	0.79750
4	0.73287	1.02287	1.93458	3.25149	1.80358	2.01527	10.92882	0.76280
5	0.69151	0.96514	1.82540	3.28479	1.73007	1.93313	10.48340	0.73400
6	0.66394	0.92666	1.75262	3.31810	1.66192	1.85698	10.07043	0.71065
7	0.64425	0.89917	1.70063	3.35140	1.59872	1.78636	9.68747	0.69232
8	0.62948	0.87856	1.66164	3.38470	1.54011	1.72087	9.33231	0.67859
9	0.61799	0.86252	1.63131	3.41800	1.48575	1.66014	9.00296	0.66904
10	0.60880	0.84969	1.60705	3.45130	1.43536	1.60382	8.69757	0.66330
11	0.60128	0.83920	1.58720	3.48461	1.38864	1.55162	8.41447	0.66098
12	0.59501	0.83045	1.57066	3.51791	1.34535	1.50325	8.15216	0.66173
13	0.58971	0.82305	1.55666	3.55121	1.30526	1.45846	7.90925	0.66521
14	0.58516	0.81671	1.54467	3.58451	1.26817	1.41701	7.68448	0.67110
15	0.58122	0.81121	1.53427	3.61782	1.23388	1.37870	7.47670	0.67907
16	0.57778	0.80640	1.52517	3.65112	1.20222	1.34333	7.28490	0.68885
17	0.57474	0.80216	1.51714	3.68442	1.17305	1.31073	7.10808	0.70015
18	0.57203	0.79838	1.51001	3.71772	1.14620	1.28073	6.94542	0.71271
19	0.56961	0.79501	1.50362	3.75102	1.12156	1.25320	6.79612	0.72628
20	0.57096	0.78975	1.49368	3.78433	1.09901	1.22801	6.65949	0.74064
21	0.57461	0.79066	1.49539	3.81763	1.07845	1.20503	6.53487	0.75556
22	0.57793	0.79148	1.49695	3.85093	1.05977	1.18416	6.42170	0.77086
23	0.58096	0.79223	1.49837	3.88423	1.04290	1.16530	6.31946	0.78634
24	0.58374	0.79292	1.49968	3.91753	1.02775	1.14838	6.22767	0.80185
25	0.58630	0.79355	1.50088	3.95084	1.01427	1.13331	6.14595	0.81723
26	0.58866	0.79414	1.50198	3.98414	1.00238	1.12003	6.07391	0.83234
27	0.59084	0.79468	1.50301	4.01744	0.99204	1.10847	6.01125	0.84707
28	0.59287	0.79519	1.50396	4.05074	0.98320	1.09859	5.95769	0.86131
29	0.59476	0.79566	1.50485	4.08404	0.97582	1.09035	5.91300	0.87498
30	0.59653	0.79609	1.50567	4.11735	0.96988	1.08371	5.87698	0.88801
31	0.59817	0.79650	1.50645	4.15065	0.96534	1.07864	5.84948	0.90034
32	0.59972	0.79689	1.50717	4.18395	0.96219	1.07512	5.83039	0.91193
33	0.60117	0.79725	1.50785	4.21726	0.96041	1.07313	5.81961	0.92275
34	0.60254	0.79758	1.50850	4.25056	0.96000	1.07267	5.81710	0.93280
35	0.60383	0.79791	1.50910	4.28386	0.96095	1.07373	5.82287	0.94210
36	0.60505	0.79821	1.50967	4.31716	0.96327	1.07632	5.83692	0.95065
37	0.60620	0.79849	1.51021	4.35046	0.96696	1.08045	5.85932	0.95850
38	0.60729	0.79876	1.51072	4.38376	0.97205	1.08614	5.89016	0.96571
39	0.60832	0.79902	1.51121	4.41706	0.97856	1.09341	5.92957	0.97236
40	0.60931	0.79926	1.51167	4.45037	0.98651	1.10229	5.97774	0.97851
41	0.61024	0.79950	1.51211	4.48367	0.99593	1.11283	6.03486	0.98429
42	0.61113	0.79972	1.51253	4.51697	1.00688	1.12506	6.10118	0.98980
43	0.61198	0.79993	1.51293	4.55027	1.01939	1.13904	6.17701	0.99520
44	0.61279	0.80013	1.51331	4.58358	1.03352	1.15483	6.26264	1.00061
45	0.61357	0.80032	1.51367	4.61688	1.04934	1.17250	6.35850	1.00622
46	0.61431	0.80051	1.51402	4.65018	1.06692	1.19214	6.46500	1.01221
47	0.61502	0.80068	1.51435	4.68348	1.08633	1.21383	6.58262	1.01877
48	0.61570	0.80085	1.51467	4.71679	1.10767	1.23767	6.71190	1.02612
49	0.63332	0.83054	1.57083	4.75008	1.13103	1.26377	6.85346	1.05954
50	0.65094	0.86023	1.62699	4.78339	1.15652	1.29226	7.00794	1.09295
51	0.66857	0.88993	1.68314	4.81669	1.18427	1.32326	7.17607	1.12636
52	0.68619	0.91962	1.73930	4.84999	1.21441	1.35694	7.35870	1.15977
53	0.70381	0.94931	1.79546	4.88330	1.24708	1.39345	7.55669	1.19319
54	0.72143	0.97900	1.85162	4.91660	1.28245	1.43297	7.77102	1.22660
55	0.73905	1.00869	1.90777	4.94990	1.32070	1.47571	8.00282	1.26001
56	0.75668	1.03839	1.96393	4.98320	1.36203	1.52189	8.25321	1.29343
57	0.77430	1.06808	2.02009	5.01650	1.40664	1.57174	8.52356	1.32684
58	0.79192	1.09777	2.07625	5.04980	1.45478	1.62553	8.81524	1.36025
59	0.80954	1.12746	2.13241	5.08311	1.50670	1.68354	9.12988	1.39367
60	0.82716	1.15715	2.18856	5.11641	1.56270	1.74611	9.46919	1.42708
61	0.84479	1.18684	2.24472	5.14971	1.62308	1.81358	9.83505	1.46049
62	0.86241	1.21654	2.30088	5.18301	1.68819	1.88633	10.22957	1.49390
63	0.88003	1.24623	2.35703	5.21632	1.75840	1.96478	10.65504	1.52732
64	0.89765	1.27592	2.41320	5.24962	1.83414	2.04941	11.11398	1.56073
65	0.91527	1.30561	2.46935	5.28292	1.91585	2.14072	11.60914	1.59414

El Paso 2015 Summer Time Period 4 VOC Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	2.13997	2.63208	6.85351	6.76908	1.14523	1.53013	4.43164	13.73854
4	1.56538	1.93442	5.20268	5.93275	1.08729	1.45272	4.20742	11.53504
5	1.25154	1.54795	4.24841	5.31977	1.03319	1.38043	3.99806	9.90303
6	1.05520	1.30369	3.62732	4.82271	0.98264	1.31290	3.80246	8.67119
7	0.92126	1.13577	3.19108	4.40061	0.93539	1.24976	3.61962	7.72533
8	0.83855	1.02855	2.88510	4.05126	0.89119	1.19072	3.44860	6.98762
9	0.77486	0.94531	2.64728	3.73978	0.84984	1.13546	3.28856	6.40398
10	0.72306	0.87733	2.45543	3.45921	0.81111	1.08372	3.13870	5.93610
11	0.67991	0.82045	2.29702	3.20584	0.77483	1.03524	2.99831	5.55633
12	0.64323	0.77189	2.16369	2.97656	0.74082	0.98981	2.86672	5.24443
13	0.61155	0.72974	2.04965	2.76867	0.70893	0.94720	2.74332	4.98532
14	0.58378	0.69261	1.95077	2.57983	0.67901	0.90723	2.62754	4.76762
15	0.55914	0.65951	1.86401	2.40802	0.65093	0.86970	2.51887	4.58263
16	0.53706	0.62968	1.78710	2.25144	0.62456	0.83447	2.41681	4.42363
17	0.51707	0.60254	1.71830	2.10852	0.59978	0.80136	2.32093	4.28537
18	0.49883	0.57764	1.65627	1.97787	0.57649	0.77025	2.23082	4.16371
19	0.48206	0.55464	1.59993	1.85825	0.55460	0.74099	2.14610	4.05540
20	0.46246	0.53062	1.53435	1.75034	0.53400	0.71348	2.06641	3.95784
21	0.44380	0.51037	1.47255	1.65403	0.51463	0.68759	1.99142	3.86899
22	0.42676	0.49193	1.41631	1.56583	0.49639	0.66322	1.92085	3.78723
23	0.41113	0.47504	1.36491	1.48498	0.47922	0.64028	1.85442	3.71129
24	0.39673	0.45951	1.31775	1.41078	0.46305	0.61868	1.79185	3.64018
25	0.38343	0.44519	1.27431	1.34263	0.44782	0.59834	1.73292	3.57314
26	0.37109	0.43193	1.23417	1.27997	0.43348	0.57917	1.67741	3.50963
27	0.35960	0.41961	1.19696	1.22230	0.41996	0.56111	1.62510	3.44922
28	0.34887	0.40814	1.16237	1.16919	0.40722	0.54409	1.57581	3.39163
29	0.33883	0.39742	1.13012	1.12023	0.39522	0.52805	1.52936	3.33669
30	0.32941	0.38739	1.09998	1.07507	0.38391	0.51294	1.48559	3.28429
31	0.32054	0.37796	1.07175	1.03339	0.37325	0.49869	1.44434	3.23439
32	0.31218	0.36910	1.04524	0.99490	0.36320	0.48527	1.40547	3.18698
33	0.30427	0.36074	1.02031	0.95934	0.35374	0.47263	1.36885	3.14212
34	0.29678	0.35284	0.99681	0.92646	0.34483	0.46072	1.33436	3.09982
35	0.28968	0.34537	0.97462	0.89606	0.33643	0.44951	1.30188	3.06016
36	0.28292	0.33828	0.95363	0.86796	0.32853	0.43895	1.27131	3.02320
37	0.27649	0.33154	0.93374	0.84196	0.32110	0.42902	1.24256	2.98896
38	0.27035	0.32514	0.91487	0.81792	0.31412	0.41969	1.21552	2.95749
39	0.26449	0.31903	0.89693	0.79570	0.30755	0.41092	1.19012	2.92880
40	0.25888	0.31321	0.87987	0.77516	0.30139	0.40268	1.16627	2.90288
41	0.25350	0.30764	0.86360	0.75620	0.29561	0.39496	1.14391	2.87973
42	0.24834	0.30232	0.84809	0.73870	0.29020	0.38773	1.12296	2.85924
43	0.24339	0.29722	0.83326	0.72258	0.28514	0.38097	1.10337	2.84127
44	0.23862	0.29233	0.81909	0.70774	0.28041	0.37465	1.08508	2.82573
45	0.23403	0.28763	0.80552	0.69412	0.27600	0.36876	1.06802	2.81240
46	0.22961	0.28311	0.79251	0.68164	0.27190	0.36329	1.05217	2.80103
47	0.22534	0.27877	0.78003	0.67024	0.26810	0.35821	1.03746	2.79128
48	0.22126	0.27460	0.76807	0.65993	0.26458	0.35351	1.02385	2.78276
49	0.22063	0.27395	0.76733	0.65113	0.26135	0.34918	1.01131	2.78276
50	0.22005	0.27334	0.76664	0.64329	0.25837	0.34521	0.99981	2.78276
51	0.21949	0.27276	0.76599	0.63638	0.25566	0.34158	0.98931	2.78276
52	0.21897	0.27221	0.76537	0.63036	0.25320	0.33829	0.97978	2.78276
53	0.21848	0.27170	0.76479	0.62519	0.25098	0.33533	0.97119	2.78276
54	0.21801	0.27121	0.76424	0.62086	0.24900	0.33268	0.96353	2.78276
55	0.21756	0.27074	0.76371	0.61735	0.24725	0.33035	0.95677	2.78276
56	0.22281	0.27631	0.78290	0.61462	0.24573	0.32832	0.95090	2.89136
57	0.22808	0.28189	0.80211	0.61269	0.24444	0.32659	0.94589	2.99996
58	0.23337	0.28750	0.82135	0.61152	0.24336	0.32516	0.94174	3.10855
59	0.23868	0.29312	0.84061	0.61113	0.24251	0.32402	0.93843	3.21715
60	0.24401	0.29877	0.85989	0.61150	0.24187	0.32316	0.93595	3.32575
61	0.24935	0.30443	0.87918	0.61264	0.24144	0.32259	0.93431	3.43435
62	0.25470	0.31010	0.89850	0.61456	0.24123	0.32231	0.93349	3.54294
63	0.26007	0.31579	0.91783	0.61726	0.24123	0.32231	0.93349	3.65154
64	0.26546	0.32149	0.93718	0.62077	0.24145	0.32259	0.93431	3.76014
65	0.27086	0.32721	0.95654	0.62510	0.24187	0.32316	0.93595	3.86874

El Paso 2015 Summer Time Period 4 CO Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	16.55969	19.67538	64.31555	59.56326	4.49156	4.92221	34.57172	151.21286
4	13.00069	15.55084	50.83304	54.42041	4.13948	4.53637	31.86174	120.59557
5	10.86529	13.07610	42.74350	49.83107	3.82195	4.18840	29.41769	98.49716
6	9.44168	11.42628	37.35048	45.72934	3.53520	3.87415	27.21060	82.19026
7	8.42482	10.24782	33.49838	42.05756	3.27593	3.59002	25.21494	69.91170
8	7.66218	9.36399	30.60924	38.76582	3.04119	3.33278	23.40822	60.49342
9	7.06901	8.67656	28.36218	35.81046	2.82843	3.09962	21.77051	53.14493
10	6.59448	8.12662	26.56451	33.15320	2.63534	2.88801	20.28430	47.31947
11	6.20622	7.67666	25.09370	30.76076	2.45990	2.69576	18.93394	42.63206
12	5.88268	7.30170	23.86801	28.60382	2.30033	2.52088	17.70572	38.80658
13	5.60891	6.98443	22.83090	26.65671	2.15502	2.36165	16.58731	35.64163
14	5.37424	6.71248	21.94194	24.89679	2.02257	2.21650	15.56786	32.98830
15	5.17087	6.47679	21.17152	23.30438	1.90172	2.08406	14.63766	30.73489
16	4.99292	6.27056	20.49739	21.86179	1.79135	1.96311	13.78814	28.79677
17	4.83591	6.08860	19.90259	20.55370	1.69046	1.85254	13.01156	27.10892
18	4.69634	5.92685	19.37384	19.36641	1.59816	1.75139	12.30111	25.62134
19	4.57146	5.78213	18.90079	18.28792	1.51365	1.65877	11.65060	24.29500
20	4.37881	5.56268	18.18344	17.30753	1.43621	1.57392	11.05462	23.09966
21	4.12955	5.26792	17.21994	16.41576	1.36523	1.49613	10.50822	22.01151
22	3.90296	4.99996	16.34402	15.60423	1.30011	1.42477	10.00703	21.01221
23	3.69607	4.75529	15.54428	14.86548	1.24036	1.35928	9.54711	20.08727
24	3.50642	4.53102	14.81117	14.19290	1.18551	1.29917	9.12491	19.22569
25	3.33194	4.32469	14.13671	13.58059	1.13515	1.24398	8.73727	18.41905
26	3.17089	4.13423	13.51412	13.02333	1.08890	1.19331	8.38134	17.66083
27	3.02176	3.95788	12.93766	12.51644	1.04645	1.14678	8.05456	16.94624
28	2.88329	3.79412	12.40237	12.05574	1.00748	1.10408	7.75461	16.27168
29	2.75437	3.64166	11.90400	11.63761	0.97173	1.06490	7.47945	15.63463
30	2.63404	3.49936	11.43885	11.25871	0.93896	1.02898	7.22717	15.03329
31	2.52147	3.36625	11.00371	10.91612	0.90894	0.99609	6.99613	14.46615
32	2.41594	3.24145	10.59577	10.60728	0.88149	0.96600	6.78482	13.93223
33	2.31681	3.12421	10.21255	10.32988	0.85642	0.93853	6.59188	13.43106
34	2.22350	3.01388	9.85187	10.08190	0.83358	0.91350	6.41607	12.96164
35	2.13553	2.90985	9.51181	9.86153	0.81283	0.89076	6.25635	12.52377
36	2.05245	2.81159	9.19064	9.66722	0.79404	0.87017	6.11172	12.11643
37	1.97386	2.71865	8.88682	9.49761	0.77709	0.85160	5.98130	11.73948
38	1.89940	2.63060	8.59900	9.35155	0.76189	0.83494	5.86432	11.39171
39	1.82876	2.54706	8.32594	9.22798	0.74836	0.82011	5.76012	11.07236
40	1.76165	2.46771	8.06653	9.12612	0.73640	0.80700	5.66806	10.78043
41	1.69782	2.39222	7.81977	9.04526	0.72595	0.79555	5.58764	10.51474
42	1.63703	2.32033	7.58477	8.98486	0.71695	0.78569	5.51840	10.27362
43	1.57906	2.25178	7.36069	8.94452	0.70936	0.77737	5.45994	10.05557
44	1.52373	2.18635	7.14681	8.92397	0.70312	0.77053	5.41194	9.85842
45	1.47086	2.12382	6.94242	8.92308	0.69821	0.76515	5.37414	9.68012
46	1.42029	2.06402	6.74693	8.94183	0.69459	0.76119	5.34631	9.51808
47	1.37186	2.00675	6.55975	8.98037	0.69226	0.75863	5.32832	9.36913
48	1.32546	1.95188	6.38037	9.03893	0.69119	0.75746	5.32007	9.23014
49	1.32546	1.95188	6.38037	9.11791	0.69137	0.75766	5.32151	9.23014
50	1.32546	1.95188	6.38037	9.21784	0.69282	0.75924	5.33264	9.23014
51	1.32546	1.95188	6.38037	9.33939	0.69553	0.76222	5.35353	9.23014
52	1.32546	1.95188	6.38037	9.48339	0.69953	0.76660	5.38430	9.23014
53	1.32546	1.95188	6.38037	9.65079	0.70483	0.77241	5.42511	9.23014
54	1.32546	1.95188	6.38037	9.84281	0.71147	0.77968	5.47617	9.23014
55	1.32546	1.95188	6.38037	10.06074	0.71947	0.78845	5.53780	9.23014
56	1.44682	2.10953	6.89572	10.30615	0.72889	0.79878	5.61032	11.45301
57	1.56818	2.26719	7.41106	10.58080	0.73978	0.81071	5.69414	13.67591
58	1.68955	2.42484	7.92641	10.88668	0.75220	0.82432	5.78974	15.89879
59	1.81091	2.58250	8.44176	11.22609	0.76623	0.83969	5.89767	18.12167
60	1.93227	2.74015	8.95711	11.60157	0.78193	0.85690	6.01855	20.34453
61	2.05364	2.89780	9.47245	12.01602	0.79941	0.87606	6.15311	22.56741
62	2.17500	3.05546	9.98780	12.47268	0.81877	0.89728	6.30213	24.79025
63	2.29636	3.21312	10.50315	12.97521	0.84013	0.92068	6.46651	27.01315
64	2.41772	3.37077	11.01850	13.52772	0.86362	0.94642	6.64728	29.23604
65	2.53909	3.52843	11.53384	14.13477	0.88937	0.97465	6.84554	31.45892

El Paso 2015 Summer Time Period 4 NOx Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HdGV	LDDV	LDDT	HDDV	MC
3	0.80325	1.12148	2.12019	2.99123	1.88288	2.10388	11.40935	0.92604
4	0.73420	1.02507	1.93791	3.02218	1.80358	2.01527	10.92882	0.88574
5	0.69276	0.96722	1.82855	3.05313	1.73007	1.93313	10.48340	0.85230
6	0.66514	0.92865	1.75564	3.08409	1.66192	1.85698	10.07043	0.82519
7	0.64541	0.90111	1.70356	3.11504	1.59872	1.78636	9.68747	0.80391
8	0.63061	0.88045	1.66450	3.14600	1.54011	1.72087	9.33231	0.78796
9	0.61910	0.86438	1.63412	3.17695	1.48575	1.66014	9.00296	0.77688
10	0.60989	0.85152	1.60982	3.20790	1.43536	1.60382	8.69757	0.77021
11	0.60236	0.84100	1.58993	3.23885	1.38864	1.55162	8.41447	0.76751
12	0.59608	0.83224	1.57336	3.26981	1.34535	1.50325	8.15216	0.76839
13	0.59077	0.82482	1.55934	3.30076	1.30526	1.45846	7.90925	0.77243
14	0.58622	0.81847	1.54733	3.33172	1.26817	1.41701	7.68448	0.77926
15	0.58227	0.81296	1.53691	3.36267	1.23388	1.37870	7.47670	0.78853
16	0.57882	0.80814	1.52779	3.39362	1.20222	1.34333	7.28490	0.79988
17	0.57577	0.80388	1.51975	3.42457	1.17305	1.31073	7.10808	0.81300
18	0.57306	0.80010	1.51260	3.45553	1.14620	1.28073	6.94542	0.82758
19	0.57064	0.79672	1.50621	3.48648	1.12156	1.25320	6.79612	0.84334
20	0.57199	0.79145	1.49625	3.51744	1.09901	1.22801	6.65949	0.86001
21	0.57565	0.79236	1.49797	3.54839	1.07845	1.20503	6.53487	0.87734
22	0.57897	0.79318	1.49953	3.57934	1.05977	1.18416	6.42170	0.89511
23	0.58201	0.79394	1.50095	3.61030	1.04290	1.16530	6.31946	0.91309
24	0.58479	0.79463	1.50226	3.64125	1.02775	1.14838	6.22767	0.93109
25	0.58736	0.79526	1.50346	3.67220	1.01427	1.13331	6.14595	0.94895
26	0.58972	0.79585	1.50457	3.70315	1.00238	1.12003	6.07391	0.96650
27	0.59191	0.79639	1.50560	3.73411	0.99204	1.10847	6.01125	0.98360
28	0.59394	0.79690	1.50655	3.76506	0.98320	1.09859	5.95769	1.00014
29	0.59583	0.79737	1.50744	3.79602	0.97582	1.09035	5.91300	1.01601
30	0.59760	0.79781	1.50826	3.82697	0.96988	1.08371	5.87698	1.03114
31	0.59925	0.79822	1.50904	3.85792	0.96534	1.07864	5.84948	1.04546
32	0.60080	0.79860	1.50977	3.88888	0.96219	1.07512	5.83039	1.05891
33	0.60226	0.79896	1.51045	3.91983	0.96041	1.07313	5.81961	1.07148
34	0.60363	0.79930	1.51109	3.95078	0.96000	1.07267	5.81710	1.08315
35	0.60492	0.79962	1.51170	3.98174	0.96095	1.07373	5.82287	1.09394
36	0.60614	0.79993	1.51227	4.01269	0.96327	1.07632	5.83692	1.10387
37	0.60729	0.80021	1.51281	4.04364	0.96696	1.08045	5.85932	1.11300
38	0.60838	0.80048	1.51333	4.07460	0.97205	1.08614	5.89016	1.12137
39	0.60942	0.80074	1.51381	4.10555	0.97856	1.09341	5.92957	1.12908
40	0.61041	0.80098	1.51427	4.13650	0.98651	1.10229	5.97774	1.13623
41	0.61134	0.80122	1.51472	4.16745	0.99593	1.11283	6.03486	1.14294
42	0.61224	0.80144	1.51513	4.19841	1.00688	1.12506	6.10118	1.14934
43	0.61309	0.80165	1.51553	4.22936	1.01939	1.13904	6.17701	1.15560
44	0.61390	0.80185	1.51591	4.26032	1.03352	1.15483	6.26264	1.16189
45	0.61467	0.80204	1.51628	4.29127	1.04934	1.17250	6.35850	1.16841
46	0.61542	0.80223	1.51663	4.32222	1.06692	1.19214	6.46500	1.17536
47	0.61613	0.80241	1.51696	4.35318	1.08633	1.21383	6.58262	1.18298
48	0.61681	0.80257	1.51728	4.38413	1.10767	1.23767	6.71190	1.19151
49	0.63446	0.83233	1.57353	4.41509	1.13103	1.26377	6.85346	1.23031
50	0.65212	0.86209	1.62979	4.44604	1.15652	1.29226	7.00794	1.26911
51	0.66977	0.89184	1.68604	4.47699	1.18427	1.32326	7.17607	1.30791
52	0.68742	0.92160	1.74230	4.50795	1.21441	1.35694	7.35870	1.34671
53	0.70508	0.95135	1.79855	4.53890	1.24708	1.39345	7.55669	1.38551
54	0.72273	0.98111	1.85481	4.56985	1.28245	1.43297	7.77102	1.42430
55	0.74039	1.01087	1.91106	4.60081	1.32070	1.47571	8.00282	1.46310
56	0.75804	1.04062	1.96731	4.63176	1.36203	1.52189	8.25321	1.50190
57	0.77569	1.07038	2.02357	4.66271	1.40664	1.57174	8.52356	1.54070
58	0.79335	1.10013	2.07982	4.69366	1.45478	1.62553	8.81524	1.57950
59	0.81100	1.12989	2.13608	4.72462	1.50670	1.68354	9.12988	1.61830
60	0.82865	1.15964	2.19233	4.75557	1.56270	1.74611	9.46919	1.65709
61	0.84631	1.18940	2.24858	4.78653	1.62308	1.81358	9.83505	1.69589
62	0.86396	1.21916	2.30484	4.81748	1.68819	1.88633	10.22957	1.73469
63	0.88162	1.24891	2.36109	4.84843	1.75840	1.96478	10.65504	1.77349
64	0.89927	1.27867	2.41735	4.87939	1.83414	2.04941	11.11398	1.81229
65	0.91692	1.30842	2.47360	4.91034	1.91585	2.14072	11.60914	1.85108

El Paso 2015 Winter Time Period 1 VOC Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDTV	LDDV	LDDT	HDDV	MC
3	2.40789	3.35499	10.46524	8.49643	1.14316	1.52638	4.43164	16.50023
4	1.88611	2.61052	8.14299	7.75592	1.08533	1.44916	4.20742	13.58642
5	1.57305	2.16383	6.74965	7.09171	1.03132	1.37705	3.99806	11.42831
6	1.36434	1.86604	5.82075	6.49515	0.98087	1.30968	3.80246	9.79937
7	1.21526	1.65334	5.15726	5.95867	0.93370	1.24670	3.61962	8.54859
8	1.10345	1.49381	4.65964	5.47557	0.88959	1.18780	3.44860	7.57307
9	1.01649	1.36973	4.27259	5.04000	0.84830	1.13268	3.28856	6.80129
10	0.94692	1.27046	3.96296	4.64679	0.80965	1.08106	3.13870	6.18258
11	0.89000	1.18925	3.70963	4.29137	0.77343	1.03271	2.99831	5.68039
12	0.84256	1.12157	3.49851	3.96973	0.73949	0.98738	2.86672	5.26794
13	0.80243	1.06430	3.31988	3.67829	0.70766	0.94488	2.74332	4.92531
14	0.76803	1.01522	3.16676	3.41391	0.67779	0.90500	2.62754	4.63743
15	0.73821	0.97268	3.03407	3.17379	0.64976	0.86757	2.51887	4.39280
16	0.71212	0.93545	2.91795	2.95547	0.62343	0.83242	2.41681	4.18255
17	0.68910	0.90261	2.81550	2.75673	0.59870	0.79940	2.32093	3.99971
18	0.66864	0.87341	2.72443	2.57564	0.57545	0.76836	2.23082	3.83883
19	0.65033	0.84729	2.64295	2.41043	0.55360	0.73918	2.14610	3.69561
20	0.62442	0.81415	2.53956	2.25957	0.53304	0.71173	2.06641	3.56660
21	0.59626	0.78053	2.43471	2.12168	0.51370	0.68590	1.99142	3.44911
22	0.57066	0.74998	2.33940	1.99550	0.49549	0.66160	1.92085	3.34100
23	0.54728	0.72208	2.25237	1.87995	0.47836	0.63871	1.85442	3.24057
24	0.52585	0.69650	2.17259	1.77403	0.46222	0.61717	1.79185	3.14654
25	0.50614	0.67297	2.09920	1.67687	0.44702	0.59687	1.73292	3.05790
26	0.48794	0.65125	2.03145	1.58765	0.43270	0.57775	1.67741	2.97390
27	0.47109	0.63114	1.96872	1.50568	0.41920	0.55973	1.62510	2.89402
28	0.45544	0.61247	1.91047	1.43032	0.40649	0.54276	1.57581	2.81787
29	0.44088	0.59508	1.85624	1.36098	0.39451	0.52676	1.52936	2.74522
30	0.42728	0.57886	1.80562	1.29716	0.38322	0.51168	1.48559	2.67592
31	0.41456	0.56368	1.75827	1.23838	0.37257	0.49747	1.44434	2.60994
32	0.40264	0.54944	1.71388	1.18423	0.36255	0.48408	1.40547	2.54725
33	0.39144	0.53608	1.67218	1.13434	0.35310	0.47147	1.36885	2.48793
34	0.38089	0.52349	1.63293	1.08834	0.34420	0.45959	1.33436	2.43199
35	0.37095	0.51163	1.59592	1.04595	0.33583	0.44841	1.30188	2.37955
36	0.36157	0.50043	1.56097	1.00688	0.32794	0.43788	1.27131	2.33066
37	0.35269	0.48983	1.52791	0.97088	0.32052	0.42797	1.24256	2.28539
38	0.34427	0.47979	1.49660	0.93772	0.31355	0.41866	1.21552	2.24377
39	0.33629	0.47026	1.46688	0.90720	0.30700	0.40991	1.19012	2.20584
40	0.32871	0.46121	1.43865	0.87913	0.30085	0.40170	1.16627	2.17156
41	0.32150	0.45260	1.41180	0.85334	0.29508	0.39400	1.14391	2.14094
42	0.31463	0.44440	1.38623	0.82969	0.28967	0.38678	1.12296	2.11385
43	0.30808	0.43659	1.36184	0.80803	0.28462	0.38003	1.10337	2.09008
44	0.30183	0.42913	1.33857	0.78825	0.27990	0.37373	1.08508	2.06954
45	0.29585	0.42200	1.31633	0.77023	0.27550	0.36786	1.06802	2.05191
46	0.29014	0.41518	1.29505	0.75386	0.27141	0.36240	1.05217	2.03688
47	0.28467	0.40865	1.27469	0.73908	0.26762	0.35733	1.03746	2.02399
48	0.27942	0.40239	1.25517	0.72578	0.26411	0.35264	1.02385	2.01272
49	0.27942	0.40239	1.25517	0.71391	0.26087	0.34833	1.01131	2.01272
50	0.27942	0.40239	1.25517	0.70340	0.25791	0.34436	0.99981	2.01272
51	0.27942	0.40239	1.25517	0.69420	0.25520	0.34075	0.98931	2.01272
52	0.27942	0.40239	1.25517	0.68626	0.25274	0.33746	0.97978	2.01272
53	0.27942	0.40239	1.25517	0.67953	0.25052	0.33451	0.97119	2.01272
54	0.27942	0.40239	1.25517	0.67399	0.24855	0.33187	0.96353	2.01272
55	0.27942	0.40239	1.25517	0.66960	0.24680	0.32954	0.95677	2.01272
56	0.28922	0.41353	1.28992	0.66635	0.24529	0.32752	0.95090	2.15632
57	0.29901	0.42467	1.32467	0.66421	0.24400	0.32579	0.94589	2.29993
58	0.30881	0.43581	1.35943	0.66318	0.24293	0.32436	0.94174	2.44354
59	0.31860	0.44695	1.39418	0.66326	0.24207	0.32322	0.93843	2.58714
60	0.32839	0.45809	1.42893	0.66443	0.24143	0.32237	0.93595	2.73075
61	0.33819	0.46924	1.46369	0.66671	0.24101	0.32180	0.93431	2.87435
62	0.34798	0.48038	1.49844	0.67012	0.24080	0.32152	0.93349	3.01796
63	0.35777	0.49152	1.53319	0.67466	0.24080	0.32152	0.93349	3.16156
64	0.36757	0.50266	1.56795	0.68035	0.24101	0.32180	0.93431	3.30517
65	0.37736	0.51380	1.60270	0.68724	0.24143	0.32237	0.93595	3.44878

El Paso 2015 Winter Time Period 1 CO Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDTV	LDDV	LDDT	HDDV	MC
3	34.02831	47.01939	115.43460	74.46982	4.48776	4.91703	34.57260	218.33461
4	26.71497	37.16266	91.23595	68.03993	4.13598	4.53160	31.86255	174.12663
5	22.32692	31.24866	76.71675	62.30206	3.81872	4.18399	29.41844	142.21893
6	19.40160	27.30598	67.03732	57.17375	3.53221	3.87008	27.21130	118.67366
7	17.31206	24.48978	60.12341	52.58308	3.27316	3.58624	25.21558	100.94473
8	15.74493	22.37766	54.93799	48.46754	3.03862	3.32928	23.40881	87.34579
9	14.52603	20.73485	50.90491	44.77251	2.82604	3.09635	21.77107	76.73538
10	13.55092	19.42062	47.67842	41.45026	2.63311	2.88497	20.28482	68.32408
11	12.75310	18.34535	45.03857	38.45912	2.45782	2.69292	18.93443	61.55602
12	12.08825	17.44930	42.83867	35.76234	2.29838	2.51823	17.70618	56.03244
13	11.52569	16.69109	40.97726	33.32793	2.15320	2.35916	16.58774	51.46255
14	11.04348	16.04120	39.38177	31.12758	2.02086	2.21417	15.56826	47.63147
15	10.62558	15.47796	37.99896	29.13663	1.90012	2.08187	14.63804	44.37781
16	10.25991	14.98513	36.78902	27.33302	1.78984	1.96104	13.78849	41.57927
17	9.93725	14.55028	35.72148	25.69756	1.68903	1.85059	13.01190	39.14224
18	9.65046	14.16374	34.77249	24.21317	1.59681	1.74955	12.30142	36.99432
19	9.39385	13.81789	33.92342	22.86473	1.51236	1.65703	11.65090	35.07928
20	8.99796	13.29345	32.63589	21.63899	1.43500	1.57226	11.05491	33.35330
21	8.48578	12.58905	30.90660	20.52402	1.36407	1.49455	10.50849	31.78217
22	8.02015	11.94869	29.33446	19.50940	1.29901	1.42327	10.00729	30.33928
23	7.59501	11.36401	27.89903	18.58577	1.23931	1.35785	9.54735	29.00380
24	7.20532	10.82805	26.58324	17.74487	1.18450	1.29781	9.12515	27.75975
25	6.84678	10.33497	25.37274	16.97932	1.13418	1.24267	8.73749	26.59502
26	6.51583	9.87981	24.25531	16.28259	1.08798	1.19205	8.38156	25.50023
27	6.20940	9.45837	23.22067	15.64886	1.04556	1.14557	8.05476	24.46846
28	5.92485	9.06704	22.25992	15.07287	1.00663	1.10291	7.75481	23.49448
29	5.65992	8.70269	21.36545	14.55009	0.97091	1.06378	7.47964	22.57463
30	5.41266	8.36263	20.53059	14.07636	0.93816	1.02790	7.22736	21.70634
31	5.18135	8.04452	19.74960	13.64804	0.90817	0.99504	6.99631	20.88748
32	4.96449	7.74628	19.01743	13.26192	0.88074	0.96498	6.78499	20.11656
33	4.76078	7.46612	18.32962	12.91509	0.85569	0.93754	6.59205	19.39293
34	4.56905	7.20244	17.68230	12.60504	0.83287	0.91254	6.41624	18.71513
35	4.38828	6.95383	17.07193	12.32952	0.81214	0.88982	6.25651	18.08290
36	4.21755	6.71903	16.49550	12.08658	0.79336	0.86925	6.11187	17.49477
37	4.05605	6.49692	15.95022	11.87453	0.77643	0.85070	5.98145	16.95047
38	3.90305	6.28650	15.43363	11.69191	0.76125	0.83407	5.86447	16.44835
39	3.75790	6.08687	14.94353	11.53742	0.74772	0.81924	5.76026	15.98726
40	3.62000	5.89722	14.47794	11.41007	0.73577	0.80615	5.66821	15.56575
41	3.48883	5.71683	14.03506	11.30897	0.72533	0.79471	5.58778	15.18212
42	3.36391	5.54502	13.61327	11.23345	0.71634	0.78487	5.51854	14.83396
43	3.24480	5.38121	13.21110	11.18302	0.70876	0.77655	5.46008	14.51913
44	3.13110	5.22484	12.82720	11.15732	0.70252	0.76972	5.41208	14.23446
45	3.02245	5.07542	12.46038	11.15622	0.69762	0.76435	5.37427	13.97701
46	2.91853	4.93250	12.10949	11.17966	0.69401	0.76039	5.34645	13.74305
47	2.81903	4.79566	11.77354	11.22784	0.69167	0.75783	5.32846	13.52799
48	2.72368	4.66452	11.45159	11.30106	0.69060	0.75666	5.32021	13.32729
49	2.72368	4.66452	11.45159	11.39981	0.69079	0.75686	5.32165	13.32729
50	2.72368	4.66452	11.45159	11.52474	0.69223	0.75845	5.33278	13.32729
51	2.72368	4.66452	11.45159	11.67671	0.69494	0.76142	5.35367	13.32729
52	2.72368	4.66452	11.45159	11.85674	0.69894	0.76579	5.38443	13.32729
53	2.72368	4.66452	11.45159	12.06605	0.70423	0.77160	5.42525	13.32729
54	2.72368	4.66452	11.45159	12.30612	0.71086	0.77886	5.47631	13.32729
55	2.72368	4.66452	11.45159	12.57859	0.71886	0.78762	5.53794	13.32729
56	2.97306	5.04128	12.37654	12.88542	0.72828	0.79794	5.61046	16.53688
57	3.22245	5.41803	13.30149	13.22879	0.73916	0.80986	5.69428	19.74646
58	3.47184	5.79478	14.22645	13.61123	0.75157	0.82346	5.78989	22.95604
59	3.72122	6.17155	15.15141	14.03559	0.76558	0.83881	5.89782	26.16563
60	3.97061	6.54830	16.07635	14.50504	0.78127	0.85600	6.01871	29.37520
61	4.22000	6.92506	17.00130	15.02320	0.79874	0.87514	6.15327	32.58481
62	4.46938	7.30181	17.92624	15.59415	0.81808	0.89633	6.30229	35.79437
63	4.71877	7.67857	18.85118	16.22244	0.83942	0.91971	6.46667	39.00400
64	4.96816	8.05533	19.77614	16.91324	0.86289	0.94542	6.64745	42.21359
65	5.21755	8.43208	20.70110	17.67220	0.88862	0.97362	6.84571	45.42317

El Paso 2015 Winter Time Period 1 NOx Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HdGV	LDDV	LDDT	HDDV	MC
3	1.00461	1.43541	2.69995	3.22357	1.88130	2.10172	11.44559	1.11001
4	0.91824	1.31201	2.46784	3.25693	1.80206	2.01320	10.96354	1.06171
5	0.86642	1.23797	2.32856	3.29029	1.72862	1.93115	10.51670	1.02163
6	0.83188	1.18861	2.23572	3.32364	1.66052	1.85508	10.10242	0.98913
7	0.80720	1.15335	2.16940	3.35700	1.59738	1.78453	9.71824	0.96362
8	0.78869	1.12691	2.11966	3.39036	1.53881	1.71911	9.36196	0.94450
9	0.77430	1.10634	2.08097	3.42372	1.48450	1.65844	9.03156	0.93122
10	0.76278	1.08989	2.05002	3.45708	1.43415	1.60218	8.72519	0.92322
11	0.75336	1.07642	2.02470	3.49043	1.38747	1.55003	8.44120	0.91999
12	0.74551	1.06520	2.00360	3.52379	1.34422	1.50171	8.17806	0.92104
13	0.73886	1.05571	1.98574	3.55715	1.30416	1.45697	7.93437	0.92589
14	0.73317	1.04757	1.97044	3.59051	1.26710	1.41556	7.70889	0.93408
15	0.72824	1.04052	1.95718	3.62386	1.23284	1.37729	7.50045	0.94518
16	0.72392	1.03435	1.94557	3.65722	1.20121	1.34195	7.30804	0.95879
17	0.72011	1.02891	1.93533	3.69058	1.17206	1.30938	7.13066	0.97452
18	0.71672	1.02407	1.92623	3.72394	1.14524	1.27942	6.96748	0.99200
19	0.71369	1.01974	1.91808	3.75730	1.12062	1.25192	6.81771	1.01089
20	0.71538	1.01300	1.90540	3.79065	1.09809	1.22675	6.68064	1.03087
21	0.71995	1.01416	1.90759	3.82401	1.07754	1.20379	6.55563	1.05164
22	0.72411	1.01522	1.90957	3.85736	1.05888	1.18294	6.44210	1.07293
23	0.72791	1.01618	1.91139	3.89072	1.04202	1.16411	6.33953	1.09449
24	0.73139	1.01706	1.91305	3.92408	1.02689	1.14720	6.24746	1.11607
25	0.73459	1.01788	1.91458	3.95744	1.01341	1.13215	6.16547	1.13747
26	0.73755	1.01863	1.91599	3.99080	1.00153	1.11888	6.09321	1.15851
27	0.74029	1.01932	1.91730	4.02416	0.99120	1.10734	6.03035	1.17901
28	0.74283	1.01997	1.91852	4.05751	0.98237	1.09747	5.97661	1.19884
29	0.74520	1.02057	1.91965	4.09087	0.97500	1.08924	5.93178	1.21786
30	0.74741	1.02113	1.92070	4.12423	0.96906	1.08260	5.89565	1.23599
31	0.74947	1.02166	1.92169	4.15759	0.96453	1.07754	5.86806	1.25315
32	0.75141	1.02215	1.92262	4.19094	0.96138	1.07402	5.84891	1.26928
33	0.75323	1.02261	1.92349	4.22430	0.95960	1.07203	5.83809	1.28435
34	0.75494	1.02305	1.92430	4.25766	0.95919	1.07157	5.83558	1.29834
35	0.75656	1.02346	1.92508	4.29102	0.96014	1.07263	5.84137	1.31127
36	0.75808	1.02384	1.92581	4.32438	0.96246	1.07522	5.85546	1.32318
37	0.75953	1.02421	1.92649	4.35773	0.96615	1.07935	5.87793	1.33411
38	0.76089	1.02456	1.92714	4.39109	0.97124	1.08503	5.90887	1.34415
39	0.76219	1.02489	1.92776	4.42445	0.97773	1.09229	5.94841	1.35339
40	0.76342	1.02520	1.92835	4.45781	0.98568	1.10116	5.99673	1.36196
41	0.76459	1.02550	1.92892	4.49116	0.99510	1.11168	6.05403	1.37000
42	0.76571	1.02578	1.92945	4.52452	1.00603	1.12390	6.12056	1.37768
43	0.76678	1.02605	1.92996	4.55788	1.01853	1.13787	6.19663	1.38518
44	0.76779	1.02631	1.93044	4.59124	1.03265	1.15365	6.28254	1.39272
45	0.76876	1.02656	1.93091	4.62459	1.04846	1.17130	6.37870	1.40053
46	0.76969	1.02679	1.93135	4.65795	1.06602	1.19092	6.48554	1.40887
47	0.77058	1.02702	1.93178	4.69131	1.08541	1.21259	6.60353	1.41800
48	0.77143	1.02723	1.93218	4.72467	1.10673	1.23640	6.73322	1.42823
49	0.79351	1.06532	2.00382	4.75803	1.13007	1.26248	6.87523	1.47474
50	0.81559	1.10340	2.07545	4.79139	1.15555	1.29094	7.03020	1.52124
51	0.83767	1.14149	2.14709	4.82474	1.18327	1.32191	7.19886	1.56775
52	0.85975	1.17958	2.21873	4.85810	1.21338	1.35555	7.38208	1.61425
53	0.88183	1.21766	2.29037	4.89146	1.24603	1.39202	7.58069	1.66076
54	0.90391	1.25575	2.36200	4.92481	1.28137	1.43151	7.79571	1.70727
55	0.92598	1.29383	2.43364	4.95817	1.31959	1.47420	8.02824	1.75377
56	0.94806	1.33192	2.50528	4.99153	1.36088	1.52033	8.27943	1.80028
57	0.97014	1.37000	2.57691	5.02489	1.40545	1.57013	8.55063	1.84679
58	0.99222	1.40809	2.64855	5.05824	1.45355	1.62386	8.84324	1.89329
59	1.01430	1.44617	2.72019	5.09160	1.50543	1.68182	9.15889	1.93980
60	1.03638	1.48426	2.79183	5.12496	1.56138	1.74432	9.49927	1.98631
61	1.05846	1.52234	2.86346	5.15832	1.62171	1.81172	9.86629	2.03281
62	1.08054	1.56043	2.93510	5.19168	1.68676	1.88439	10.26206	2.07932
63	1.10262	1.59852	3.00674	5.22503	1.75692	1.96277	10.68889	2.12582
64	1.12470	1.63660	3.07838	5.25839	1.83259	2.04731	11.14928	2.17233
65	1.14678	1.67469	3.15001	5.29175	1.91424	2.13853	11.64602	2.21884

El Paso 2015 Winter Time Period 2 VOC Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDTV	LDDV	LDDT	HDDV	MC
3	4.37580	4.69333	10.79711	10.17531	1.14316	1.52638	4.43164	14.51358
4	3.05678	3.28781	7.99490	8.47312	1.08533	1.44916	4.20742	12.06850
5	2.36507	2.54741	6.42764	7.38393	1.03132	1.37705	3.99806	10.25756
6	1.94548	2.09670	5.43032	6.57672	0.98087	1.30968	3.80246	8.89067
7	1.66611	1.79576	4.74123	5.93063	0.93370	1.24670	3.61962	7.84111
8	1.51211	1.61717	4.27681	5.44497	0.88959	1.18780	3.44860	7.02252
9	1.39344	1.48063	3.91818	5.01752	0.84830	1.13268	3.28856	6.37490
10	1.29499	1.36990	3.62955	4.63305	0.80965	1.08106	3.13870	5.85572
11	1.21127	1.27794	3.39185	4.28578	0.77343	1.03271	2.99831	5.43432
12	1.13858	1.20006	3.19233	3.97102	0.73949	0.98738	2.86672	5.08822
13	1.07438	1.13301	3.02219	3.68485	0.70766	0.94488	2.74332	4.80071
14	1.01685	1.07447	2.87512	3.42399	0.67779	0.90500	2.62754	4.55914
15	0.96466	1.02273	2.74653	3.18559	0.64976	0.86757	2.51887	4.35387
16	0.91680	0.97653	2.63293	2.96720	0.62343	0.83242	2.41681	4.17744
17	0.87251	0.93488	2.53169	2.76669	0.59870	0.79940	2.32093	4.02402
18	0.83120	0.89702	2.44075	2.58220	0.57545	0.76836	2.23082	3.88920
19	0.79239	0.86236	2.35847	2.41208	0.55360	0.73918	2.14610	3.76883
20	0.75420	0.82561	2.26226	2.26292	0.53304	0.71173	2.06641	3.66058
21	0.72410	0.79334	2.17039	2.13745	0.51370	0.68590	1.99142	3.56199
22	0.69658	0.76396	2.08685	2.02250	0.49549	0.66160	1.92085	3.47127
23	0.67130	0.73712	2.01052	1.91705	0.47836	0.63871	1.85442	3.38700
24	0.64797	0.71248	1.94054	1.82019	0.46222	0.61717	1.79185	3.30809
25	0.62637	0.68979	1.87612	1.73114	0.44702	0.59687	1.73292	3.23371
26	0.60629	0.66882	1.81663	1.64917	0.43270	0.57775	1.67741	3.16323
27	0.58757	0.64938	1.76151	1.57364	0.41920	0.55973	1.62510	3.09620
28	0.57005	0.63130	1.71031	1.50398	0.40649	0.54276	1.57581	3.03229
29	0.55362	0.61445	1.66261	1.43967	0.39451	0.52676	1.52936	2.97134
30	0.53816	0.59870	1.61807	1.38026	0.38322	0.51168	1.48559	2.91319
31	0.52359	0.58394	1.57638	1.32531	0.37257	0.49747	1.44434	2.85782
32	0.50982	0.57009	1.53727	1.27448	0.36255	0.48408	1.40547	2.80521
33	0.49677	0.55706	1.50051	1.22740	0.35310	0.47147	1.36885	2.75543
34	0.48438	0.54478	1.46589	1.18379	0.34420	0.45959	1.33436	2.70849
35	0.47260	0.53317	1.43322	1.14336	0.33583	0.44841	1.30188	2.66449
36	0.46138	0.52220	1.40236	1.10587	0.32794	0.43788	1.27131	2.62347
37	0.45066	0.51180	1.37313	1.07110	0.32052	0.42797	1.24256	2.58548
38	0.44041	0.50193	1.34543	1.03885	0.31355	0.41866	1.21552	2.55055
39	0.43060	0.49255	1.31913	1.00893	0.30700	0.40991	1.19012	2.51873
40	0.42119	0.48363	1.29413	0.98117	0.30085	0.40170	1.16627	2.48996
41	0.41215	0.47512	1.27033	0.95544	0.29508	0.39400	1.14391	2.46427
42	0.40346	0.46701	1.24764	0.93159	0.28967	0.38678	1.12296	2.44153
43	0.39508	0.45925	1.22599	0.90950	0.28462	0.38003	1.10337	2.42159
44	0.38701	0.45184	1.20531	0.88907	0.27990	0.37373	1.08508	2.40435
45	0.37921	0.44473	1.18553	0.87020	0.27550	0.36786	1.06802	2.38956
46	0.37168	0.43793	1.16660	0.85279	0.27141	0.36240	1.05217	2.37695
47	0.36439	0.43140	1.14845	0.83677	0.26762	0.35733	1.03746	2.36613
48	0.35741	0.42506	1.13098	0.82219	0.26411	0.35264	1.02385	2.35667
49	0.35561	0.42319	1.12890	0.80994	0.26087	0.34833	1.01131	2.35667
50	0.35391	0.42144	1.12696	0.79898	0.25791	0.34436	0.99981	2.35667
51	0.35231	0.41978	1.12512	0.78924	0.25520	0.34075	0.98931	2.35667
52	0.35079	0.41822	1.12339	0.78069	0.25274	0.33746	0.97978	2.35667
53	0.34937	0.41675	1.12175	0.77326	0.25052	0.33451	0.97119	2.35667
54	0.34802	0.41535	1.12021	0.76694	0.24855	0.33187	0.96353	2.35667
55	0.34674	0.41403	1.11875	0.76169	0.24680	0.32954	0.95677	2.35667
56	0.35363	0.42166	1.14579	0.75748	0.24529	0.32752	0.95090	2.47718
57	0.36058	0.42935	1.17290	0.75429	0.24400	0.32579	0.94589	2.59768
58	0.36759	0.43710	1.20008	0.75212	0.24293	0.32436	0.94174	2.71818
59	0.37466	0.44491	1.22732	0.75094	0.24207	0.32322	0.93843	2.83869
60	0.38178	0.45277	1.25462	0.75077	0.24143	0.32237	0.93595	2.95919
61	0.38894	0.46068	1.28198	0.75159	0.24101	0.32180	0.93431	3.07970
62	0.39615	0.46863	1.30938	0.75341	0.24080	0.32152	0.93349	3.20020
63	0.40340	0.47663	1.33683	0.75626	0.24080	0.32152	0.93349	3.32070
64	0.41068	0.48467	1.36433	0.76013	0.24101	0.32180	0.93431	3.44121
65	0.41801	0.49275	1.39187	0.76506	0.24143	0.32237	0.93595	3.56171

El Paso 2015 Winter Time Period 2 CO Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	29.99562	38.65335	109.32890	78.17508	4.48776	4.91703	34.57260	175.20731
4	23.54898	30.55043	86.41017	71.42520	4.13598	4.53160	31.86255	139.73164
5	19.68098	25.68867	72.65897	65.40187	3.81872	4.18399	29.41844	114.12666
6	17.10234	22.44749	63.49147	60.01842	3.53221	3.87008	27.21130	95.23218
7	15.26044	20.13239	56.94331	55.19933	3.27316	3.58624	25.21558	81.00528
8	13.87901	18.39606	52.03212	50.87900	3.03862	3.32928	23.40881	70.09251
9	12.80456	17.04556	48.21237	47.00015	2.82604	3.09635	21.77107	61.57796
10	11.94501	15.96519	45.15652	43.51263	2.63311	2.88497	20.28482	54.82809
11	11.24174	15.08123	42.65633	40.37262	2.45782	2.69292	18.93443	49.39693
12	10.65568	14.34460	40.57275	37.54166	2.29838	2.51823	17.70618	44.96440
13	10.15978	13.72130	38.80988	34.98615	2.15320	2.35916	16.58774	41.29723
14	9.73472	13.18704	37.29871	32.67635	2.02086	2.21417	15.56826	38.22282
15	9.36634	12.72401	35.98904	30.58630	1.90012	2.08187	14.63804	35.61192
16	9.04401	12.31887	34.84312	28.69293	1.78984	1.96104	13.78849	33.36621
17	8.75960	11.96139	33.83203	26.97614	1.68903	1.85059	13.01190	31.41055
18	8.50679	11.64362	32.93326	25.41788	1.59681	1.74955	12.30142	29.68690
19	8.28059	11.35931	32.12907	24.00235	1.51236	1.65703	11.65090	28.15012
20	7.93162	10.92819	30.90967	22.71562	1.43500	1.57226	11.05491	26.76508
21	7.48013	10.34912	29.27180	21.54518	1.36407	1.49455	10.50849	25.50426
22	7.06969	9.82269	27.78284	20.48009	1.29901	1.42327	10.00729	24.34639
23	6.69493	9.34204	26.42339	19.51050	1.23931	1.35785	9.54735	23.27472
24	6.35142	8.90144	25.17717	18.62775	1.18450	1.29781	9.12515	22.27640
25	6.03537	8.49609	24.03067	17.82413	1.13418	1.24267	8.73749	21.34177
26	5.74364	8.12192	22.97237	17.09273	1.08798	1.19205	8.38156	20.46324
27	5.47352	7.77547	21.99245	16.42744	1.04556	1.14557	8.05476	19.63525
28	5.22270	7.45377	21.08252	15.82281	1.00663	1.10291	7.75481	18.85365
29	4.98917	7.15425	20.23535	15.27402	0.97091	1.06378	7.47964	18.11551
30	4.77121	6.87469	19.44464	14.77673	0.93816	1.02790	7.22736	17.41873
31	4.56731	6.61318	18.70499	14.32709	0.90817	0.99504	6.99631	16.76161
32	4.37615	6.36801	18.01154	13.92175	0.88074	0.96498	6.78499	16.14297
33	4.19659	6.13769	17.36011	13.55768	0.85569	0.93754	6.59205	15.56230
34	4.02758	5.92093	16.74702	13.23220	0.83287	0.91254	6.41624	15.01839
35	3.86823	5.71655	16.16895	12.94297	0.81214	0.88982	6.25651	14.51104
36	3.71773	5.52353	15.62300	12.68795	0.79336	0.86925	6.11187	14.03907
37	3.57537	5.34094	15.10655	12.46534	0.77643	0.85070	5.98145	13.60229
38	3.44050	5.16796	14.61729	12.27363	0.76125	0.83407	5.86447	13.19934
39	3.31255	5.00385	14.15312	12.11146	0.74772	0.81924	5.76026	12.82932
40	3.19100	4.84795	13.71215	11.97777	0.73577	0.80615	5.66821	12.49107
41	3.07537	4.69965	13.29270	11.87164	0.72533	0.79471	5.58778	12.18321
42	2.96525	4.55841	12.89322	11.79236	0.71634	0.78487	5.51854	11.90383
43	2.86026	4.42374	12.51232	11.73942	0.70876	0.77655	5.46008	11.65119
44	2.76003	4.29520	12.14873	11.71245	0.70252	0.76972	5.41208	11.42275
45	2.66426	4.17237	11.80130	11.71129	0.69762	0.76435	5.37427	11.21615
46	2.57265	4.05487	11.46898	11.73590	0.69401	0.76039	5.34645	11.02841
47	2.48495	3.94238	11.15080	11.78647	0.69167	0.75783	5.32846	10.85582
48	2.40089	3.83457	10.84588	11.86334	0.69060	0.75666	5.32021	10.69477
49	2.40089	3.83457	10.84588	11.96700	0.69079	0.75686	5.32165	10.69477
50	2.40089	3.83457	10.84588	12.09815	0.69223	0.75845	5.33278	10.69477
51	2.40089	3.83457	10.84588	12.25768	0.69494	0.76142	5.35367	10.69477
52	2.40089	3.83457	10.84588	12.44667	0.69894	0.76579	5.38443	10.69477
53	2.40089	3.83457	10.84588	12.66639	0.70423	0.77160	5.42525	10.69477
54	2.40089	3.83457	10.84588	12.91841	0.71086	0.77886	5.47631	10.69477
55	2.40089	3.83457	10.84588	13.20443	0.71886	0.78762	5.53794	10.69477
56	2.62073	4.14429	11.72190	13.52653	0.72828	0.79794	5.61046	13.27038
57	2.84056	4.45401	12.59793	13.88699	0.73916	0.80986	5.69428	15.84599
58	3.06039	4.76373	13.47396	14.28845	0.75157	0.82346	5.78989	18.42159
59	3.28022	5.07346	14.35000	14.73392	0.76558	0.83881	5.89782	20.99721
60	3.50005	5.38318	15.22603	15.22673	0.78127	0.85600	6.01871	23.57278
61	3.71989	5.69290	16.10205	15.77068	0.79874	0.87514	6.15327	26.14838
62	3.93972	6.00262	16.97807	16.37003	0.81808	0.89633	6.30229	28.72397
63	4.15955	6.31234	17.85410	17.02959	0.83942	0.91971	6.46667	31.29961
64	4.37938	6.62207	18.73012	17.75475	0.86289	0.94542	6.64745	33.87521
65	4.59922	6.93179	19.60614	18.55147	0.88862	0.97362	6.84571	36.45078

El Paso 2015 Winter Time Period 2 NOx Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	0.90482	1.27652	2.40060	2.95925	1.88130	2.10172	11.44559	1.00083
4	0.82703	1.16677	2.19422	2.98987	1.80206	2.01320	10.96354	0.95728
5	0.78036	1.10093	2.07038	3.02049	1.72862	1.93115	10.51670	0.92114
6	0.74924	1.05703	1.98783	3.05111	1.66052	1.85508	10.10242	0.89184
7	0.72702	1.02568	1.92887	3.08174	1.59738	1.78453	9.71824	0.86884
8	0.71035	1.00216	1.88464	3.11236	1.53881	1.71911	9.36196	0.85160
9	0.69738	0.98387	1.85024	3.14298	1.48450	1.65844	9.03156	0.83962
10	0.68701	0.96924	1.82273	3.17360	1.43415	1.60218	8.72519	0.83241
11	0.67853	0.95726	1.80021	3.20423	1.38747	1.55003	8.44120	0.82950
12	0.67146	0.94729	1.78145	3.23485	1.34422	1.50171	8.17806	0.83045
13	0.66547	0.93885	1.76558	3.26547	1.30416	1.45697	7.93437	0.83482
14	0.66034	0.93161	1.75197	3.29609	1.26710	1.41556	7.70889	0.84220
15	0.65590	0.92534	1.74018	3.32672	1.23284	1.37729	7.50045	0.85221
16	0.65201	0.91985	1.72986	3.35734	1.20121	1.34195	7.30804	0.86448
17	0.64858	0.91501	1.72075	3.38796	1.17206	1.30938	7.13066	0.87866
18	0.64553	0.91071	1.71266	3.41858	1.14524	1.27942	6.96748	0.89442
19	0.64280	0.90686	1.70542	3.44921	1.12062	1.25192	6.81771	0.91146
20	0.64432	0.90086	1.69414	3.47983	1.09809	1.22675	6.68064	0.92947
21	0.64844	0.90189	1.69608	3.51045	1.07754	1.20379	6.55563	0.94820
22	0.65218	0.90283	1.69785	3.54107	1.05888	1.18294	6.44210	0.96740
23	0.65560	0.90369	1.69946	3.57169	1.04202	1.16411	6.33953	0.98683
24	0.65874	0.90448	1.70094	3.60232	1.02689	1.14720	6.24746	1.00629
25	0.66163	0.90520	1.70230	3.63294	1.01341	1.13215	6.16547	1.02559
26	0.66429	0.90587	1.70356	3.66356	1.00153	1.11888	6.09321	1.04456
27	0.66675	0.90649	1.70472	3.69419	0.99120	1.10734	6.03035	1.06304
28	0.66904	0.90706	1.70580	3.72481	0.98237	1.09747	5.97661	1.08092
29	0.67118	0.90760	1.70681	3.75543	0.97500	1.08924	5.93178	1.09807
30	0.67317	0.90809	1.70774	3.78605	0.96906	1.08260	5.89565	1.11442
31	0.67503	0.90856	1.70863	3.81668	0.96453	1.07754	5.86806	1.12989
32	0.67677	0.90900	1.70944	3.84730	0.96138	1.07402	5.84891	1.14444
33	0.67841	0.90941	1.71022	3.87792	0.95960	1.07203	5.83809	1.15802
34	0.67995	0.90980	1.71095	3.90854	0.95919	1.07157	5.83558	1.17064
35	0.68141	0.91016	1.71163	3.93917	0.96014	1.07263	5.84137	1.18230
36	0.68278	0.91051	1.71228	3.96979	0.96246	1.07522	5.85546	1.19303
37	0.68408	0.91083	1.71289	4.00041	0.96615	1.07935	5.87793	1.20289
38	0.68531	0.91114	1.71347	4.03103	0.97124	1.08503	5.90887	1.21194
39	0.68648	0.91143	1.71402	4.06166	0.97773	1.09229	5.94841	1.22027
40	0.68759	0.91171	1.71455	4.09228	0.98568	1.10116	5.99673	1.22800
41	0.68865	0.91198	1.71505	4.12290	0.99510	1.11168	6.05403	1.23525
42	0.68965	0.91223	1.71552	4.15352	1.00603	1.12390	6.12056	1.24217
43	0.69061	0.91247	1.71597	4.18414	1.01853	1.13787	6.19663	1.24893
44	0.69152	0.91270	1.71640	4.21477	1.03265	1.15365	6.28254	1.25573
45	0.69240	0.91292	1.71682	4.24539	1.04846	1.17130	6.37870	1.26278
46	0.69324	0.91313	1.71721	4.27601	1.06602	1.19092	6.48554	1.27029
47	0.69404	0.91333	1.71759	4.30664	1.08541	1.21259	6.60353	1.27852
48	0.69480	0.91352	1.71795	4.33726	1.10673	1.23640	6.73322	1.28775
49	0.71469	0.94739	1.78164	4.36788	1.13007	1.26248	6.87523	1.32968
50	0.73457	0.98126	1.84534	4.39851	1.15555	1.29094	7.03020	1.37161
51	0.75446	1.01513	1.90903	4.42913	1.18327	1.32191	7.19886	1.41354
52	0.77435	1.04900	1.97273	4.45975	1.21338	1.35555	7.38208	1.45548
53	0.79423	1.08287	2.03642	4.49037	1.24603	1.39202	7.58069	1.49741
54	0.81412	1.11674	2.10012	4.52099	1.28137	1.43151	7.79571	1.53934
55	0.83400	1.15061	2.16381	4.55162	1.31959	1.47420	8.02824	1.58127
56	0.85389	1.18448	2.22751	4.58224	1.36088	1.52033	8.27943	1.62320
57	0.87378	1.21835	2.29120	4.61286	1.40545	1.57013	8.55063	1.66514
58	0.89366	1.25221	2.35489	4.64348	1.45355	1.62386	8.84324	1.70707
59	0.91355	1.28609	2.41859	4.67411	1.50543	1.68182	9.15889	1.74900
60	0.93344	1.31995	2.48228	4.70473	1.56138	1.74432	9.49927	1.79093
61	0.95332	1.35382	2.54598	4.73535	1.62171	1.81172	9.86629	1.83286
62	0.97321	1.38769	2.60967	4.76597	1.68676	1.88439	10.26206	1.87479
63	0.99309	1.42156	2.67337	4.79660	1.75692	1.96277	10.68889	1.91673
64	1.01298	1.45543	2.73706	4.82722	1.83259	2.04731	11.14928	1.95866
65	1.03286	1.48930	2.80075	4.85784	1.91424	2.13853	11.64602	2.00059

El Paso 2015 Winter Time Period 3 VOC Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	4.17640	4.54195	10.66628	9.97444	1.14316	1.52638	4.43164	14.62819
4	2.93252	3.20139	7.92876	8.36253	1.08533	1.44916	4.20742	12.15429
5	2.27731	2.49107	6.39027	7.31516	1.03132	1.37705	3.99806	10.32200
6	1.87847	2.05669	5.40796	6.53015	0.98087	1.30968	3.80246	8.93899
7	1.61219	1.76561	4.72754	5.89682	0.93370	1.24670	3.61962	7.87705
8	1.46302	1.59026	4.26494	5.41389	0.88959	1.18780	3.44860	7.04881
9	1.34804	1.45606	3.90751	4.98798	0.84830	1.13268	3.28856	6.39355
10	1.25291	1.34734	3.62003	4.60480	0.80965	1.08106	3.13870	5.86825
11	1.17220	1.25717	3.38340	4.25869	0.77343	1.03271	2.99831	5.44188
12	1.10232	1.18090	3.18493	3.94505	0.73949	0.98738	2.86672	5.09170
13	1.04076	1.11532	3.01581	3.66002	0.70766	0.94488	2.74332	4.80080
14	0.98575	1.05816	2.86974	3.40031	0.67779	0.90500	2.62754	4.56338
15	0.93596	1.00771	2.74211	3.16311	0.64976	0.86757	2.51887	4.34869
16	0.89043	0.96273	2.62947	2.94599	0.62343	0.83242	2.41681	4.17018
17	0.84840	0.92224	2.52918	2.74681	0.59870	0.79940	2.32093	4.01495
18	0.80929	0.88550	2.43917	2.56370	0.57545	0.76836	2.23082	3.87836
19	0.77263	0.85193	2.35782	2.39502	0.55360	0.73918	2.14610	3.75675
20	0.73587	0.81586	2.26201	2.24657	0.53304	0.71173	2.06641	3.64722
21	0.70620	0.78378	2.16998	2.12067	0.51370	0.68590	1.99142	3.54747
22	0.67909	0.75459	2.08628	2.00533	0.49549	0.66160	1.92085	3.45568
23	0.65419	0.72792	2.00984	1.89955	0.47836	0.63871	1.85442	3.37042
24	0.63123	0.70344	1.93974	1.80241	0.46222	0.61717	1.79185	3.29058
25	0.60998	0.68090	1.87522	1.71311	0.44702	0.59687	1.73292	3.21532
26	0.59024	0.66008	1.81563	1.63094	0.43270	0.57775	1.67741	3.14401
27	0.57184	0.64077	1.76044	1.55525	0.41920	0.55973	1.62510	3.07618
28	0.55464	0.62282	1.70916	1.48546	0.40649	0.54276	1.57581	3.01153
29	0.53852	0.60609	1.66140	1.42105	0.39451	0.52676	1.52936	2.94985
30	0.52336	0.59045	1.61680	1.36157	0.38322	0.51168	1.48559	2.89102
31	0.50908	0.57581	1.57506	1.30658	0.37257	0.49747	1.44434	2.83500
32	0.49559	0.56206	1.53590	1.25573	0.36255	0.48408	1.40547	2.78177
33	0.48282	0.54913	1.49910	1.20866	0.35310	0.47147	1.36885	2.73140
34	0.47070	0.53694	1.46444	1.16507	0.34420	0.45959	1.33436	2.68391
35	0.45919	0.52543	1.43174	1.12470	0.33583	0.44841	1.30188	2.63939
36	0.44822	0.51454	1.40085	1.08727	0.32794	0.43788	1.27131	2.59789
37	0.43776	0.50423	1.37160	1.05259	0.32052	0.42797	1.24256	2.55944
38	0.42777	0.49445	1.34387	1.02043	0.31355	0.41866	1.21552	2.52411
39	0.41821	0.48515	1.31756	0.99062	0.30700	0.40991	1.19012	2.49191
40	0.40904	0.47630	1.29253	0.96299	0.30085	0.40170	1.16627	2.46281
41	0.40024	0.46787	1.26872	0.93740	0.29508	0.39400	1.14391	2.43681
42	0.39179	0.45983	1.24602	0.91370	0.28967	0.38678	1.12296	2.41380
43	0.38365	0.45214	1.22437	0.89178	0.28462	0.38003	1.10337	2.39362
44	0.37581	0.44480	1.20368	0.87152	0.27990	0.37373	1.08508	2.37618
45	0.36824	0.43776	1.18389	0.85283	0.27550	0.36786	1.06802	2.36122
46	0.36094	0.43102	1.16495	0.83562	0.27141	0.36240	1.05217	2.34846
47	0.35388	0.42456	1.14681	0.81980	0.26762	0.35733	1.03746	2.33751
48	0.34712	0.41829	1.12934	0.80542	0.26411	0.35264	1.02385	2.32794
49	0.34546	0.41659	1.12745	0.79326	0.26087	0.34833	1.01131	2.32794
50	0.34391	0.41498	1.12567	0.78238	0.25791	0.34436	0.99981	2.32794
51	0.34245	0.41347	1.12400	0.77274	0.25520	0.34075	0.98931	2.32794
52	0.34107	0.41205	1.12242	0.76427	0.25274	0.33746	0.97978	2.32794
53	0.33976	0.41070	1.12093	0.75694	0.25052	0.33451	0.97119	2.32794
54	0.33853	0.40943	1.11952	0.75071	0.24855	0.33187	0.96353	2.32794
55	0.33737	0.40822	1.11819	0.74556	0.24680	0.32954	0.95677	2.32794
56	0.34442	0.41605	1.14558	0.74145	0.24529	0.32752	0.95090	2.44987
57	0.35154	0.42394	1.17304	0.73836	0.24400	0.32579	0.94589	2.57179
58	0.35870	0.43188	1.20057	0.73629	0.24293	0.32436	0.94174	2.69372
59	0.36592	0.43987	1.22814	0.73523	0.24207	0.32322	0.93843	2.81564
60	0.37319	0.44791	1.25578	0.73517	0.24143	0.32237	0.93595	2.93756
61	0.38049	0.45600	1.28346	0.73611	0.24101	0.32180	0.93431	3.05949
62	0.38784	0.46412	1.31119	0.73806	0.24080	0.32152	0.93349	3.18141
63	0.39523	0.47229	1.33896	0.74103	0.24080	0.32152	0.93349	3.30334
64	0.40265	0.48049	1.36677	0.74503	0.24101	0.32180	0.93431	3.42526
65	0.41010	0.48873	1.39462	0.75010	0.24143	0.32237	0.93595	3.54719

El Paso 2015 Winter Time Period 3 CO Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	30.08392	39.02394	108.91364	77.38420	4.48776	4.91703	34.57260	177.96858
4	23.61832	30.84331	86.08197	70.70264	4.13598	4.53160	31.86255	141.93385
5	19.73892	25.93495	72.38298	64.74022	3.81872	4.18399	29.41844	115.92531
6	17.15268	22.66272	63.25034	59.41116	3.53221	3.87008	27.21130	96.73306
7	15.30537	20.32541	56.72704	54.64090	3.27316	3.58624	25.21558	82.28194
8	13.91987	18.57243	51.83455	50.36427	3.03862	3.32928	23.40881	71.19717
9	12.84226	17.20900	48.02927	46.52466	2.82604	3.09635	21.77107	62.54842
10	11.98019	16.11826	44.98502	43.07239	2.63311	2.88497	20.28482	55.69220
11	11.27484	15.22583	42.49428	39.96417	2.45782	2.69292	18.93443	50.17548
12	10.68705	14.48213	40.41869	37.16190	2.29838	2.51823	17.70618	45.67305
13	10.18970	13.85286	38.66243	34.63220	2.15320	2.35916	16.58774	41.94806
14	9.76339	13.31348	37.15704	32.34575	2.02086	2.21417	15.56826	38.82524
15	9.39392	12.84601	35.85237	30.27687	1.90012	2.08187	14.63804	36.17314
16	9.07064	12.43698	34.71078	28.40265	1.78984	1.96104	13.78849	33.89204
17	8.78539	12.07607	33.70354	26.70322	1.68903	1.85059	13.01190	31.90556
18	8.53184	11.75526	32.80818	25.16071	1.59681	1.74955	12.30142	30.15477
19	8.30497	11.46822	32.00706	23.75952	1.51236	1.65703	11.65090	28.59378
20	7.95497	11.03296	30.79228	22.48579	1.43500	1.57226	11.05491	27.18690
21	7.50216	10.44835	29.16064	21.32722	1.36407	1.49455	10.50849	25.90622
22	7.09051	9.91687	27.67735	20.27287	1.29901	1.42327	10.00729	24.73012
23	6.71465	9.43161	26.32303	19.31310	1.23931	1.35785	9.54735	23.64153
24	6.37012	8.98679	25.08156	18.43930	1.18450	1.29781	9.12515	22.62750
25	6.05314	8.57755	23.93941	17.64380	1.13418	1.24267	8.73749	21.67813
26	5.76056	8.19979	22.88510	16.91982	1.08798	1.19205	8.38156	20.78574
27	5.48964	7.85002	21.90892	16.26126	1.04556	1.14557	8.05476	19.94470
28	5.23807	7.52523	21.00246	15.66274	1.00663	1.10291	7.75481	19.15079
29	5.00386	7.22284	20.15852	15.11950	0.97091	1.06378	7.47964	18.40102
30	4.78526	6.94061	19.37079	14.62723	0.93816	1.02790	7.22736	17.69327
31	4.58076	6.67659	18.63393	14.18215	0.90817	0.99504	6.99631	17.02579
32	4.38904	6.42906	17.94313	13.78091	0.88074	0.96498	6.78499	16.39740
33	4.20894	6.19654	17.29417	13.42052	0.85569	0.93754	6.59205	15.80756
34	4.03944	5.97770	16.68340	13.09833	0.83287	0.91254	6.41624	15.25508
35	3.87962	5.77136	16.10754	12.81203	0.81214	0.88982	6.25651	14.73973
36	3.72868	5.57649	15.56366	12.55958	0.79336	0.86925	6.11187	14.26032
37	3.58590	5.39215	15.04918	12.33923	0.77643	0.85070	5.98145	13.81666
38	3.45063	5.21751	14.56177	12.14946	0.76125	0.83407	5.86447	13.40736
39	3.32231	5.05183	14.09936	11.98893	0.74772	0.81924	5.76026	13.03151
40	3.20039	4.89443	13.66007	11.85659	0.73577	0.80615	5.66821	12.68793
41	3.08443	4.74471	13.24221	11.75154	0.72533	0.79471	5.58778	12.37522
42	2.97399	4.60212	12.84425	11.67306	0.71634	0.78487	5.51854	12.09143
43	2.86868	4.46616	12.46479	11.62066	0.70876	0.77655	5.46008	11.83481
44	2.76816	4.33638	12.10259	11.59396	0.70252	0.76972	5.41208	11.60277
45	2.67211	4.21237	11.75648	11.59281	0.69762	0.76435	5.37427	11.39292
46	2.58023	4.09375	11.42542	11.61717	0.69401	0.76039	5.34645	11.20222
47	2.49226	3.98018	11.10845	11.66723	0.69167	0.75783	5.32846	11.02691
48	2.40796	3.87134	10.80469	11.74332	0.69060	0.75666	5.32021	10.86332
49	2.40796	3.87134	10.80469	11.84593	0.69079	0.75686	5.32165	10.86332
50	2.40796	3.87134	10.80469	11.97575	0.69223	0.75845	5.33278	10.86332
51	2.40796	3.87134	10.80469	12.13367	0.69494	0.76142	5.35367	10.86332
52	2.40796	3.87134	10.80469	12.32075	0.69894	0.76579	5.38443	10.86332
53	2.40796	3.87134	10.80469	12.53825	0.70423	0.77160	5.42525	10.86332
54	2.40796	3.87134	10.80469	12.78771	0.71086	0.77886	5.47631	10.86332
55	2.40796	3.87134	10.80469	13.07084	0.71886	0.78762	5.53794	10.86332
56	2.62844	4.18403	11.67738	13.38968	0.72828	0.79794	5.61046	13.47952
57	2.84892	4.49672	12.55009	13.74649	0.73916	0.80986	5.69428	16.09572
58	3.06940	4.80941	13.42279	14.14390	0.75157	0.82346	5.78989	18.71191
59	3.28988	5.12210	14.29550	14.58486	0.76558	0.83881	5.89782	21.32811
60	3.51036	5.43480	15.16820	15.07268	0.78127	0.85600	6.01871	23.94429
61	3.73084	5.74748	16.04089	15.61113	0.79874	0.87514	6.15327	26.56050
62	3.95132	6.06017	16.91357	16.20441	0.81808	0.89633	6.30229	29.17665
63	4.17180	6.37286	17.78627	16.85730	0.83942	0.91971	6.46667	31.79289
64	4.39228	6.68556	18.65898	17.57512	0.86289	0.94542	6.64745	34.40906
65	4.61276	6.99825	19.53166	18.36378	0.88862	0.97362	6.84571	37.02527

El Paso 2015 Winter Time Period 3 NOx Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	0.91128	1.28686	2.42006	2.98496	1.88130	2.10172	11.44559	1.00867
4	0.83294	1.17622	2.21201	3.01585	1.80206	2.01320	10.96354	0.96478
5	0.78593	1.10985	2.08718	3.04673	1.72862	1.93115	10.51670	0.92836
6	0.75459	1.06559	2.00395	3.07763	1.66052	1.85508	10.10242	0.89883
7	0.73221	1.03398	1.94451	3.10851	1.59738	1.78453	9.71824	0.87564
8	0.71542	1.01028	1.89992	3.13940	1.53881	1.71911	9.36196	0.85827
9	0.70236	0.99184	1.86525	3.17029	1.48450	1.65844	9.03156	0.84620
10	0.69192	0.97709	1.83751	3.20118	1.43415	1.60218	8.72519	0.83893
11	0.68337	0.96502	1.81481	3.23207	1.38747	1.55003	8.44120	0.83600
12	0.67625	0.95496	1.79590	3.26296	1.34422	1.50171	8.17806	0.83695
13	0.67022	0.94645	1.77989	3.29385	1.30416	1.45697	7.93437	0.84135
14	0.66506	0.93916	1.76618	3.32474	1.26710	1.41556	7.70889	0.84880
15	0.66058	0.93284	1.75429	3.35562	1.23284	1.37729	7.50045	0.85889
16	0.65666	0.92730	1.74389	3.38651	1.20121	1.34195	7.30804	0.87125
17	0.65321	0.92242	1.73470	3.41740	1.17206	1.30938	7.13066	0.88554
18	0.65014	0.91808	1.72655	3.44829	1.14524	1.27942	6.96748	0.90143
19	0.64739	0.91420	1.71925	3.47918	1.12062	1.25192	6.81771	0.91859
20	0.64892	0.90816	1.70788	3.51007	1.09809	1.22675	6.68064	0.93675
21	0.65307	0.90920	1.70984	3.54095	1.07754	1.20379	6.55563	0.95563
22	0.65684	0.91015	1.71162	3.57184	1.05888	1.18294	6.44210	0.97498
23	0.66029	0.91101	1.71324	3.60273	1.04202	1.16411	6.33953	0.99456
24	0.66344	0.91180	1.71474	3.63362	1.02689	1.14720	6.24746	1.01417
25	0.66635	0.91253	1.71611	3.66451	1.01341	1.13215	6.16547	1.03362
26	0.66903	0.91321	1.71737	3.69539	1.00153	1.11888	6.09321	1.05274
27	0.67152	0.91383	1.71854	3.72628	0.99120	1.10734	6.03035	1.07137
28	0.67382	0.91441	1.71963	3.75717	0.98237	1.09747	5.97661	1.08938
29	0.67597	0.91495	1.72065	3.78806	0.97500	1.08924	5.93178	1.10667
30	0.67797	0.91545	1.72159	3.81895	0.96906	1.08260	5.89565	1.12315
31	0.67985	0.91592	1.72248	3.84984	0.96453	1.07754	5.86806	1.13874
32	0.68160	0.91636	1.72331	3.88073	0.96138	1.07402	5.84891	1.15340
33	0.68326	0.91678	1.72409	3.91162	0.95960	1.07203	5.83809	1.16709
34	0.68481	0.91717	1.72482	3.94250	0.95919	1.07157	5.83558	1.17980
35	0.68627	0.91753	1.72551	3.97339	0.96014	1.07263	5.84137	1.19156
36	0.68766	0.91788	1.72617	4.00428	0.96246	1.07522	5.85546	1.20237
37	0.68897	0.91821	1.72678	4.03517	0.96615	1.07935	5.87793	1.21231
38	0.69021	0.91852	1.72737	4.06606	0.97124	1.08503	5.90887	1.22143
39	0.69138	0.91882	1.72792	4.09694	0.97773	1.09229	5.94841	1.22983
40	0.69250	0.91910	1.72845	4.12784	0.98568	1.10116	5.99673	1.23761
41	0.69356	0.91936	1.72896	4.15872	0.99510	1.11168	6.05403	1.24492
42	0.69458	0.91962	1.72943	4.18961	1.00603	1.12390	6.12056	1.25190
43	0.69554	0.91986	1.72989	4.22050	1.01853	1.13787	6.19663	1.25872
44	0.69646	0.92009	1.73032	4.25139	1.03265	1.15365	6.28254	1.26557
45	0.69734	0.92031	1.73074	4.28228	1.04846	1.17130	6.37870	1.27267
46	0.69819	0.92053	1.73114	4.31317	1.06602	1.19092	6.48554	1.28024
47	0.69899	0.92073	1.73152	4.34406	1.08541	1.21259	6.60353	1.28853
48	0.69977	0.92092	1.73188	4.37494	1.10673	1.23640	6.73322	1.29783
49	0.71979	0.95506	1.79609	4.40583	1.13007	1.26248	6.87523	1.34009
50	0.73982	0.98921	1.86030	4.43672	1.15555	1.29094	7.03020	1.38235
51	0.75985	1.02335	1.92451	4.46761	1.18327	1.32191	7.19886	1.42461
52	0.77988	1.05750	1.98873	4.49850	1.21338	1.35555	7.38208	1.46687
53	0.79990	1.09164	2.05294	4.52939	1.24603	1.39202	7.58069	1.50914
54	0.81993	1.12578	2.11714	4.56028	1.28137	1.43151	7.79571	1.55139
55	0.83996	1.15993	2.18136	4.59117	1.31959	1.47420	8.02824	1.59365
56	0.85999	1.19407	2.24557	4.62205	1.36088	1.52033	8.27943	1.63591
57	0.88002	1.22821	2.30978	4.65294	1.40545	1.57013	8.55063	1.67818
58	0.90004	1.26236	2.37399	4.68383	1.45355	1.62386	8.84324	1.72044
59	0.92007	1.29650	2.43820	4.71472	1.50543	1.68182	9.15889	1.76270
60	0.94010	1.33065	2.50241	4.74561	1.56138	1.74432	9.49927	1.80496
61	0.96013	1.36479	2.56662	4.77650	1.62171	1.81172	9.86629	1.84722
62	0.98016	1.39893	2.63083	4.80738	1.68676	1.88439	10.26206	1.88948
63	1.00019	1.43308	2.69505	4.83827	1.75692	1.96277	10.68889	1.93174
64	1.02021	1.46722	2.75926	4.86916	1.83259	2.04731	11.14928	1.97400
65	1.04024	1.50136	2.82347	4.90005	1.91424	2.13853	11.64602	2.01626

El Paso 2015 Winter Time Period 4 VOC Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
3	2.44184	3.40845	10.62339	8.57538	1.14316	1.52638	4.43164	16.64258
4	1.91268	2.65211	8.26605	7.82798	1.08533	1.44916	4.20742	13.70363
5	1.59519	2.19831	6.85165	7.15760	1.03132	1.37705	3.99806	11.52690
6	1.38353	1.89578	5.90872	6.55550	0.98087	1.30968	3.80246	9.88390
7	1.23234	1.67968	5.23520	6.01403	0.93370	1.24670	3.61962	8.62234
8	1.11895	1.51761	4.73005	5.52645	0.88959	1.18780	3.44860	7.63840
9	1.03076	1.39155	4.33716	5.08683	0.84830	1.13268	3.28856	6.85997
10	0.96021	1.29071	4.02285	4.68997	0.80965	1.08106	3.13870	6.23591
11	0.90248	1.20820	3.76569	4.33125	0.77343	1.03271	2.99831	5.72939
12	0.85437	1.13944	3.55138	4.00661	0.73949	0.98738	2.86672	5.31339
13	0.81367	1.08126	3.37005	3.71246	0.70766	0.94488	2.74332	4.96780
14	0.77878	1.03139	3.21462	3.44563	0.67779	0.90500	2.62754	4.67743
15	0.74854	0.98818	3.07992	3.20328	0.64976	0.86757	2.51887	4.43070
16	0.72209	0.95036	2.96205	2.98293	0.62343	0.83242	2.41681	4.21863
17	0.69874	0.91699	2.85805	2.78235	0.59870	0.79940	2.32093	4.03422
18	0.67799	0.88733	2.76561	2.59957	0.57545	0.76836	2.23082	3.87195
19	0.65942	0.86079	2.68289	2.43283	0.55360	0.73918	2.14610	3.72749
20	0.63315	0.82712	2.57794	2.28057	0.53304	0.71173	2.06641	3.59737
21	0.60458	0.79297	2.47151	2.14139	0.51370	0.68590	1.99142	3.47887
22	0.57862	0.76193	2.37475	2.01404	0.49549	0.66160	1.92085	3.36982
23	0.55491	0.73358	2.28641	1.89742	0.47836	0.63871	1.85442	3.26853
24	0.53318	0.70760	2.20542	1.79052	0.46222	0.61717	1.79185	3.17368
25	0.51319	0.68369	2.13092	1.69245	0.44702	0.59687	1.73292	3.08428
26	0.49473	0.66163	2.06215	1.60240	0.43270	0.57775	1.67741	2.99956
27	0.47764	0.64120	1.99847	1.51967	0.41920	0.55973	1.62510	2.91898
28	0.46178	0.62223	1.93934	1.44361	0.40649	0.54276	1.57581	2.84217
29	0.44700	0.60456	1.88429	1.37363	0.39451	0.52676	1.52936	2.76890
30	0.43322	0.58808	1.83291	1.30921	0.38322	0.51168	1.48559	2.69901
31	0.42032	0.57266	1.78484	1.24989	0.37257	0.49747	1.44434	2.63246
32	0.40822	0.55820	1.73978	1.19524	0.36255	0.48408	1.40547	2.56922
33	0.39687	0.54462	1.69745	1.14488	0.35310	0.47147	1.36885	2.50939
34	0.38617	0.53183	1.65761	1.09846	0.34420	0.45959	1.33436	2.45297
35	0.37609	0.51978	1.62004	1.05567	0.33583	0.44841	1.30188	2.40008
36	0.36657	0.50840	1.58456	1.01624	0.32794	0.43788	1.27131	2.35077
37	0.35757	0.49763	1.55100	0.97990	0.32052	0.42797	1.24256	2.30510
38	0.34904	0.48743	1.51921	0.94643	0.31355	0.41866	1.21552	2.26313
39	0.34094	0.47775	1.48905	0.91563	0.30700	0.40991	1.19012	2.22487
40	0.33325	0.46856	1.46039	0.88730	0.30085	0.40170	1.16627	2.19030
41	0.32594	0.45981	1.43314	0.86127	0.29508	0.39400	1.14391	2.15942
42	0.31897	0.45148	1.40718	0.83740	0.28967	0.38678	1.12296	2.13208
43	0.31233	0.44354	1.38242	0.81554	0.28462	0.38003	1.10337	2.10811
44	0.30599	0.43596	1.35880	0.79557	0.27990	0.37373	1.08508	2.08739
45	0.29993	0.42872	1.33622	0.77738	0.27550	0.36786	1.06802	2.06962
46	0.29413	0.42179	1.31463	0.76087	0.27141	0.36240	1.05217	2.05445
47	0.28859	0.41516	1.29395	0.74594	0.26762	0.35733	1.03746	2.04145
48	0.28327	0.40880	1.27414	0.73253	0.26411	0.35264	1.02385	2.03008
49	0.28327	0.40880	1.27414	0.72055	0.26087	0.34833	1.01131	2.03008
50	0.28327	0.40880	1.27414	0.70994	0.25791	0.34436	0.99981	2.03008
51	0.28327	0.40880	1.27414	0.70065	0.25520	0.34075	0.98931	2.03008
52	0.28327	0.40880	1.27414	0.69263	0.25274	0.33746	0.97978	2.03008
53	0.28327	0.40880	1.27414	0.68584	0.25052	0.33451	0.97119	2.03008
54	0.28327	0.40880	1.27414	0.68025	0.24855	0.33187	0.96353	2.03008
55	0.28327	0.40880	1.27414	0.67582	0.24680	0.32954	0.95677	2.03008
56	0.29320	0.42012	1.30941	0.67254	0.24529	0.32752	0.95090	2.17493
57	0.30313	0.43144	1.34469	0.67038	0.24400	0.32579	0.94589	2.31977
58	0.31307	0.44276	1.37997	0.66935	0.24293	0.32436	0.94174	2.46461
59	0.32300	0.45407	1.41525	0.66942	0.24207	0.32322	0.93843	2.60946
60	0.33293	0.46539	1.45053	0.67061	0.24143	0.32237	0.93595	2.75430
61	0.34286	0.47671	1.48580	0.67291	0.24101	0.32180	0.93431	2.89915
62	0.35279	0.48803	1.52108	0.67634	0.24080	0.32152	0.93349	3.04399
63	0.36273	0.49935	1.55636	0.68092	0.24080	0.32152	0.93349	3.18884
64	0.37266	0.51067	1.59164	0.68667	0.24101	0.32180	0.93431	3.33368
65	0.38259	0.52199	1.62692	0.69362	0.24143	0.32237	0.93595	3.47853

El Paso 2015 Winter Time Period 4 CO Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HGGV	LDDV	LDDT	HDDV	MC
3	34.50151	47.75481	116.94263	74.87439	4.48776	4.91703	34.57260	220.56311
4	27.08646	37.74390	92.42784	68.40955	4.13598	4.53160	31.86255	175.90390
5	22.63744	31.73737	77.71895	62.64047	3.81872	4.18399	29.41844	143.67056
6	19.67140	27.73303	67.91306	57.48431	3.53221	3.87008	27.21130	119.88492
7	17.55283	24.87280	60.90887	52.86870	3.27316	3.58624	25.21558	101.97505
8	15.96389	22.72762	55.65570	48.73082	3.03862	3.32928	23.40881	88.23735
9	14.72804	21.05914	51.56993	45.01572	2.82604	3.09635	21.77107	77.51862
10	13.73938	19.72435	48.30130	41.67543	2.63311	2.88497	20.28482	69.02144
11	12.93046	18.63226	45.62697	38.66800	2.45782	2.69292	18.93443	62.18431
12	12.25636	17.72218	43.39833	35.95660	2.29838	2.51823	17.70618	56.60434
13	11.68597	16.95213	41.51257	33.50896	2.15320	2.35916	16.58774	51.98785
14	11.19706	16.29208	39.89622	31.29668	2.02086	2.21417	15.56826	48.11761
15	10.77334	15.72003	38.49539	29.29491	1.90012	2.08187	14.63804	44.83075
16	10.40259	15.21949	37.26962	27.48146	1.78984	1.96104	13.78849	42.00371
17	10.07545	14.77784	36.18816	25.83714	1.68903	1.85059	13.01190	39.54176
18	9.78467	14.38526	35.22678	24.34468	1.59681	1.74955	12.30142	37.37190
19	9.52449	14.03400	34.36659	22.98894	1.51236	1.65703	11.65090	35.43732
20	9.12310	13.50136	33.06230	21.75652	1.43500	1.57226	11.05491	33.69374
21	8.60379	12.78594	31.31033	20.63553	1.36407	1.49455	10.50849	32.10651
22	8.13169	12.13556	29.71770	19.61537	1.29901	1.42327	10.00729	30.64896
23	7.70064	11.54174	28.26353	18.68672	1.23931	1.35785	9.54735	29.29984
24	7.30552	10.99740	26.93056	17.84126	1.18450	1.29781	9.12515	28.04309
25	6.94200	10.49660	25.70422	17.07156	1.13418	1.24267	8.73749	26.86652
26	6.60645	10.03433	24.57217	16.37105	1.08798	1.19205	8.38156	25.76053
27	6.29575	9.60630	23.52403	15.73387	1.04556	1.14557	8.05476	24.71822
28	6.00724	9.20885	22.55072	15.15475	1.00663	1.10291	7.75481	23.73425
29	5.73863	8.83880	21.64455	14.62913	0.97091	1.06378	7.47964	22.80505
30	5.48793	8.49343	20.79880	14.15283	0.93816	1.02790	7.22736	21.92790
31	5.25340	8.17033	20.00761	13.72218	0.90817	0.99504	6.99631	21.10068
32	5.03354	7.86743	19.26587	13.33395	0.88074	0.96498	6.78499	20.32188
33	4.82699	7.58289	18.56908	12.98525	0.85569	0.93754	6.59205	19.59087
34	4.63260	7.31509	17.91328	12.67351	0.83287	0.91254	6.41624	18.90617
35	4.44931	7.06259	17.29495	12.39650	0.81214	0.88982	6.25651	18.26747
36	4.27621	6.82411	16.71100	12.15224	0.79336	0.86925	6.11187	17.67334
37	4.11246	6.59853	16.15857	11.93904	0.77643	0.85070	5.98145	17.12349
38	3.95733	6.38482	15.63525	11.75542	0.76125	0.83407	5.86447	16.61624
39	3.81016	6.18207	15.13875	11.60010	0.74772	0.81924	5.76026	16.15044
40	3.67035	5.98945	14.66708	11.47205	0.73577	0.80615	5.66821	15.72462
41	3.53735	5.80624	14.21841	11.37040	0.72533	0.79471	5.58778	15.33708
42	3.41069	5.63174	13.79111	11.29447	0.71634	0.78487	5.51854	14.98537
43	3.28992	5.46537	13.38368	11.24377	0.70876	0.77655	5.46008	14.66732
44	3.17464	5.30655	12.99478	11.21793	0.70252	0.76972	5.41208	14.37975
45	3.06448	5.15480	12.62316	11.21682	0.69762	0.76435	5.37427	14.11967
46	2.95912	5.00964	12.26769	11.24039	0.69401	0.76039	5.34645	13.88332
47	2.85823	4.87066	11.92735	11.28883	0.69167	0.75783	5.32846	13.66606
48	2.76155	4.73747	11.60119	11.36245	0.69060	0.75666	5.32021	13.46332
49	2.76155	4.73747	11.60119	11.46174	0.69079	0.75686	5.32165	13.46332
50	2.76155	4.73747	11.60119	11.58735	0.69223	0.75845	5.33278	13.46332
51	2.76155	4.73747	11.60119	11.74014	0.69494	0.76142	5.35367	13.46332
52	2.76155	4.73747	11.60119	11.92115	0.69894	0.76579	5.38443	13.46332
53	2.76155	4.73747	11.60119	12.13160	0.70423	0.77160	5.42525	13.46332
54	2.76155	4.73747	11.60119	12.37297	0.71086	0.77886	5.47631	13.46332
55	2.76155	4.73747	11.60119	12.64692	0.71886	0.78762	5.53794	13.46332
56	3.01441	5.12012	12.53823	12.95541	0.72828	0.79794	5.61046	16.70566
57	3.26726	5.50277	13.47526	13.30065	0.73916	0.80986	5.69428	19.94801
58	3.52012	5.88541	14.41230	13.68517	0.75157	0.82346	5.78989	23.19035
59	3.77297	6.26806	15.34935	14.11183	0.76558	0.83881	5.89782	26.43272
60	4.02583	6.65072	16.28638	14.58383	0.78127	0.85600	6.01871	29.67502
61	4.27868	7.03336	17.22339	15.10481	0.79874	0.87514	6.15327	32.91739
62	4.53154	7.41601	18.16043	15.67886	0.81808	0.89633	6.30229	36.15971
63	4.78440	7.79866	19.09746	16.31058	0.83942	0.91971	6.46667	39.40210
64	5.03725	8.18131	20.03450	17.00511	0.86289	0.94542	6.64745	42.64444
65	5.29010	8.56396	20.97151	17.76819	0.88862	0.97362	6.84571	45.88681

El Paso 2015 Winter Time Period 4 NOx Emission Rates (grams/mile)

Speed	LDGV	LDGT1	LDGT2	HdGV	LDDV	LDDT	HDDV	MC
3	1.00993	1.44382	2.71581	3.22930	1.88130	2.10172	11.44559	1.11501
4	0.92311	1.31970	2.48233	3.26272	1.80206	2.01320	10.96354	1.06649
5	0.87102	1.24522	2.34224	3.29613	1.72862	1.93115	10.51670	1.02623
6	0.83628	1.19557	2.24885	3.32955	1.66052	1.85508	10.10242	0.99359
7	0.81148	1.16010	2.18214	3.36297	1.59738	1.78453	9.71824	0.96796
8	0.79287	1.13351	2.13210	3.39639	1.53881	1.71911	9.36196	0.94875
9	0.77840	1.11282	2.09319	3.42980	1.48450	1.65844	9.03156	0.93541
10	0.76683	1.09627	2.06206	3.46322	1.43415	1.60218	8.72519	0.92738
11	0.75735	1.08273	2.03659	3.49664	1.38747	1.55003	8.44120	0.92414
12	0.74946	1.07144	2.01537	3.53006	1.34422	1.50171	8.17806	0.92519
13	0.74278	1.06189	1.99741	3.56347	1.30416	1.45697	7.93437	0.93005
14	0.73706	1.05371	1.98201	3.59689	1.26710	1.41556	7.70889	0.93828
15	0.73210	1.04662	1.96867	3.63031	1.23284	1.37729	7.50045	0.94944
16	0.72775	1.04041	1.95700	3.66372	1.20121	1.34195	7.30804	0.96311
17	0.72392	1.03493	1.94669	3.69714	1.17206	1.30938	7.13066	0.97890
18	0.72052	1.03007	1.93754	3.73056	1.14524	1.27942	6.96748	0.99646
19	0.71747	1.02571	1.92935	3.76398	1.12062	1.25192	6.81771	1.01544
20	0.71917	1.01893	1.91659	3.79739	1.09809	1.22675	6.68064	1.03551
21	0.72377	1.02010	1.91879	3.83081	1.07754	1.20379	6.55563	1.05638
22	0.72795	1.02116	1.92079	3.86422	1.05888	1.18294	6.44210	1.07776
23	0.73177	1.02213	1.92261	3.89764	1.04202	1.16411	6.33953	1.09941
24	0.73527	1.02302	1.92428	3.93106	1.02689	1.14720	6.24746	1.12109
25	0.73849	1.02384	1.92582	3.96448	1.01341	1.13215	6.16547	1.14259
26	0.74146	1.02459	1.92724	3.99789	1.00153	1.11888	6.09321	1.16372
27	0.74421	1.02529	1.92856	4.03131	0.99120	1.10734	6.03035	1.18432
28	0.74677	1.02594	1.92978	4.06473	0.98237	1.09747	5.97661	1.20423
29	0.74915	1.02655	1.93092	4.09814	0.97500	1.08924	5.93178	1.22334
30	0.75137	1.02711	1.93198	4.13156	0.96906	1.08260	5.89565	1.24156
31	0.75345	1.02764	1.93298	4.16498	0.96453	1.07754	5.86806	1.25879
32	0.75539	1.02814	1.93391	4.19839	0.96138	1.07402	5.84891	1.27500
33	0.75722	1.02860	1.93478	4.23181	0.95960	1.07203	5.83809	1.29013
34	0.75895	1.02904	1.93560	4.26523	0.95919	1.07157	5.83558	1.30418
35	0.76057	1.02945	1.93638	4.29865	0.96014	1.07263	5.84137	1.31718
36	0.76210	1.02984	1.93711	4.33206	0.96246	1.07522	5.85546	1.32913
37	0.76355	1.03021	1.93780	4.36548	0.96615	1.07935	5.87793	1.34012
38	0.76493	1.03056	1.93846	4.39890	0.97124	1.08503	5.90887	1.35020
39	0.76623	1.03089	1.93909	4.43231	0.97773	1.09229	5.94841	1.35948
40	0.76747	1.03120	1.93968	4.46573	0.98568	1.10116	5.99673	1.36809
41	0.76865	1.03150	1.94024	4.49915	0.99510	1.11168	6.05403	1.37617
42	0.76977	1.03179	1.94078	4.53257	1.00603	1.12390	6.12056	1.38388
43	0.77084	1.03206	1.94129	4.56598	1.01853	1.13787	6.19663	1.39142
44	0.77186	1.03232	1.94178	4.59940	1.03265	1.15365	6.28254	1.39899
45	0.77284	1.03257	1.94225	4.63282	1.04846	1.17130	6.37870	1.40684
46	0.77377	1.03281	1.94269	4.66623	1.06602	1.19092	6.48554	1.41521
47	0.77466	1.03303	1.94312	4.69965	1.08541	1.21259	6.60353	1.42438
48	0.77552	1.03325	1.94353	4.73307	1.10673	1.23640	6.73322	1.43466
49	0.79772	1.07156	2.01558	4.76648	1.13007	1.26248	6.87523	1.48137
50	0.81991	1.10987	2.08764	4.79990	1.15555	1.29094	7.03020	1.52809
51	0.84211	1.14818	2.15970	4.83332	1.18327	1.32191	7.19886	1.57480
52	0.86430	1.18649	2.23176	4.86674	1.21338	1.35555	7.38208	1.62152
53	0.88650	1.22479	2.30381	4.90015	1.24603	1.39202	7.58069	1.66823
54	0.90870	1.26310	2.37587	4.93357	1.28137	1.43151	7.79571	1.71495
55	0.93089	1.30141	2.44793	4.96699	1.31959	1.47420	8.02824	1.76167
56	0.95309	1.33972	2.51999	5.00040	1.36088	1.52033	8.27943	1.80838
57	0.97529	1.37803	2.59205	5.03382	1.40545	1.57013	8.55063	1.85510
58	0.99748	1.41633	2.66411	5.06724	1.45355	1.62386	8.84324	1.90182
59	1.01968	1.45465	2.73616	5.10066	1.50543	1.68182	9.15889	1.94853
60	1.04187	1.49295	2.80822	5.13407	1.56138	1.74432	9.49927	1.99525
61	1.06407	1.53126	2.88028	5.16749	1.62171	1.81172	9.86629	2.04196
62	1.08627	1.56957	2.95234	5.20091	1.68676	1.88439	10.26206	2.08868
63	1.10846	1.60788	3.02439	5.23433	1.75692	1.96277	10.68889	2.13539
64	1.13066	1.64619	3.09645	5.26774	1.83259	2.04731	11.14928	2.18211
65	1.15285	1.68449	3.16851	5.30116	1.91424	2.13853	11.64602	2.22882

APPENDIX C
SUMALL OUTPUT TABLES

**APPENDIX C
SUMALL OUTPUT TABLES**

Provided in the Appendix are SUMALL program output tables showing the following for each assignment:

Vehicle miles of travel cross-classified by vehicle type and roadway type
Vehicle hours of travel cross-classified by vehicle type and roadway type
Average operational speeds weighted by VMT cross-classified by vehicle type and roadway type
Pounds of VOC pollution cross-classified by vehicle type and roadway type for the summer season
Pounds of CO pollution cross-classified by vehicle type and roadway type for the winter season
Pounds of NOx pollution cross-classified by vehicle type and roadway type for the winter season

Tables are provided for the following summer season traffic assignments:

1996 traffic on the 1993 network (no-build)
1996 traffic on the 1996 network (build)
1999 traffic on the 1993 network (no-build)
1999 traffic on the 1999 network (build)
2005 traffic on the 1993 network (no-build)
2005 traffic on the 2005 network (build)
2015 traffic on the 1993 network (no-build)
2015 traffic on the 2015 network (build)

Tables are provided for the following winter season traffic assignments:

1995 traffic on the 1993 network (no-build)
1995 traffic on the 1995 network (build)
1998 traffic on the 1993 network (no-build)
1998 traffic on the 1998 network (build)
2005 traffic on the 1993 network (no-build)
2005 traffic on the 2005 network (build)
2015 traffic on the 1993 network (no-build)
2015 traffic on the 2015 network (build)

El Paso
Build and No-Build Emission Estimates
Summer Season 1996, 1999, 2005, 2015
Winter Season 1995, 1998, 2005, 2015

Vehicle miles of travel cross-classified by vehicle type and roadway type

Vehicle hours of travel cross-classified by vehicle type and roadway type

Average operational speeds weighted by VMT cross-classified by vehicle type and roadway type

Pounds of VOC pollution cross-classified by vehicle type and roadway type for the summer season

Pounds of CO pollution cross-classified by vehicle type and roadway type for the winter season

Pounds of NOx pollution cross-classified by vehicle type and roadway type for the winter season

EL PASO 1996 TRIPS ON 1996 NETWORK OZONE SEASON (SUMMER)
24 HOUR

VEHICLE MILES OF TRAVEL

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE								TOTALS
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	
LOCAL	869183.71	249605.23	67152.68	25340.63	3801.09	1267.03	45613.14	5068.13	1267031.64
BORDER HIGHWAY	320128.00	91931.80	24732.92	9333.18	1399.98	466.66	16799.72	1866.64	466658.89
FREEWAY	2913775.39	836754.74	225116.76	84949.72	12742.46	4247.49	152909.50	16989.94	4247485.99
EXPRESSWAY	129902.74	37304.43	10036.22	3787.25	568.09	189.36	6817.05	757.45	189362.60
PRINCIPAL ART. DIV.	2178615.11	625637.28	168318.66	63516.48	9527.47	3175.82	114329.66	12703.30	3175823.77
PRIN. ART. UNDIV.	836155.84	240120.56	64600.96	24377.72	3656.66	1218.89	43879.90	4875.54	1218886.07
DIV. ARTERIAL	206381.07	59266.87	15944.89	6016.94	902.54	300.85	10830.49	1203.39	300847.04
UNDIV. ARTERIAL	688344.92	197673.40	53181.17	20068.36	3010.25	1003.42	36123.06	4013.67	1003418.25
COLL. DIV.	6195.36	1779.13	478.65	180.62	27.09	9.03	325.12	36.12	9031.14
COLL. UNDIV.	186486.70	53553.76	14407.86	5436.93	815.54	271.85	9786.47	1087.39	271846.50
COLL. DISTRIBUTOR	595.72	171.07	46.03	17.37	2.61	0.87	31.26	3.47	868.40
FRONTAGE	253237.78	72722.80	19565.02	7383.03	1107.45	369.15	13289.45	1476.61	369151.29
RAMP	158799.00	45602.63	12268.73	4629.71	694.46	231.49	8333.48	925.94	231485.42
TRANSMOUNTAIN	63612.64	18267.77	4914.68	1854.60	278.19	92.73	3338.27	370.92	92729.79
LOOP 375	199675.82	57341.31	15426.85	5821.45	873.22	291.07	10478.61	1164.29	291072.62
INTRAZONAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS	9011089.80	2587732.78	696192.07	262713.99	39407.10	13135.70	472885.18	52542.80	13135699.41

EL PASO 1996 TRIPS ON 1996 NETWORK OZONE SEASON (SUMMER)
24 HOUR

VEHICLE HOURS

COUNTY: EL PASO

VEHICLE TYPE

ROADWAY TYPE	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	TOTALS
LOCAL	29915.756	8590.968	2311.276	872.179	130.827	43.609	1569.923	174.436	43608.974
BORDER HIGHWAY	7016.451	2014.928	542.087	204.561	30.684	10.228	368.210	40.912	10228.062
FREEWAY	57372.038	16475.644	4432.534	1672.654	250.898	83.633	3010.778	334.531	83632.709
EXPRESSWAY	2707.686	777.572	209.194	78.941	11.841	3.947	142.094	15.788	3947.065
PRINCIPAL ART. DIV.	83947.612	24107.405	6485.748	2447.452	367.118	122.373	4405.414	489.490	122372.612
PRIN. ART. UNDIV.	30113.400	8647.726	2326.545	877.942	131.691	43.897	1580.295	175.588	43897.085
DIV. ARTERIAL	9007.859	2586.805	695.942	262.620	39.393	13.131	472.716	52.524	13130.989
UNDIV. ARTERIAL	27508.411	7899.646	2125.285	801.995	120.299	40.100	1443.590	160.399	40099.725
COLL. DIV.	332.717	95.547	25.706	9.700	1.455	0.485	17.460	1.940	485.011
COLL. UNDIV.	7073.391	2031.280	546.487	206.221	30.933	10.311	371.198	41.244	10311.066
COLL. DISTRIBUTOR	19.196	5.512	1.483	0.560	0.084	0.028	1.007	0.112	27.982
FRONTAGE	9030.536	2593.317	697.694	263.281	39.492	13.164	473.906	52.656	13164.047
RAMP	6384.914	1833.569	493.295	186.149	27.922	9.307	335.068	37.230	9307.455
TRANSMOUNTAIN	1155.343	331.782	89.261	33.683	5.053	1.684	60.630	6.737	1684.174
LOOP 375	3094.152	888.554	239.053	90.209	13.531	4.510	162.375	18.042	4510.426
INTRAZONAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTALS	274679.464	78880.254	21221.591	8008.148	1201.222	400.407	14414.666	1601.630	400407.382

EL PASO 1996 TRIPS ON 1996 NETWORK OZONE SEASON (SUMMER)
24 HOUR

AVERAGE OPERATIONAL SPEED WEIGHTED BY VMT

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE							
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
LOCAL	30.14	30.14	30.14	30.14	30.14	30.14	30.14	30.14
BORDER HIGHWAY	47.38	47.38	47.38	47.38	47.38	47.38	47.38	47.38
FREEWAY	52.57	52.57	52.57	52.57	52.57	52.57	52.57	52.57
EXPRESSWAY	48.35	48.35	48.35	48.35	48.35	48.35	48.35	48.35
PRINCIPAL ART. DIV.	29.03	29.03	29.03	29.03	29.03	29.03	29.03	29.03
PRIN. ART. UNDIV.	34.57	34.57	34.57	34.57	34.57	34.57	34.57	34.57
DIV. ARTERIAL	25.04	25.04	25.04	25.04	25.04	25.04	25.04	25.04
UNDIV. ARTERIAL	28.55	28.55	28.55	28.55	28.55	28.55	28.55	28.55
COLL. DIV.	24.23	24.23	24.23	24.23	24.23	24.23	24.23	24.23
COLL. UNDIV.	30.01	30.01	30.01	30.01	30.01	30.01	30.01	30.01
COLL. DISTRIBUTOR	31.04	31.04	31.04	31.04	31.04	31.04	31.04	31.04
FRONTAGE	32.39	32.39	32.39	32.39	32.39	32.39	32.39	32.39
RAMP	30.82	30.82	30.82	30.82	30.82	30.82	30.82	30.82
TRANSMOUNTAIN	55.77	55.77	55.77	55.77	55.77	55.77	55.77	55.77
LOOP 375	64.65	64.65	64.65	64.65	64.65	64.65	64.65	64.65
INTRAZONAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

EL PASO 1996 TRIPS ON 1996 NETWORK OZONE SEASON (SUMMER)
24 HOUR

POUNDS OF VOC POLLUTION

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE								TOTALS
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	
LOCAL	2774.3	971.6	363.1	227.8	4.9	2.3	196.5	54.4	4595.0
BORDER HIGHWAY	731.6	268.6	98.1	60.2	1.3	0.6	50.8	18.1	1229.3
FREEWAY	6776.6	2529.2	929.5	523.3	10.9	5.1	437.9	170.3	11382.9
EXPRESSWAY	284.5	105.1	38.2	23.5	0.5	0.2	19.9	7.3	479.2
PRINCIPAL ART. DIV.	7554.8	2636.6	993.9	626.5	13.1	6.2	526.5	141.3	12498.9
PRIN. ART. UNDIV.	2740.7	965.3	363.5	226.9	4.6	2.2	186.7	53.3	4543.3
DIV. ARTERIAL	790.7	273.1	103.5	66.8	1.4	0.7	55.5	13.9	1305.6
UNDIV. ARTERIAL	2455.5	854.8	322.7	206.4	4.3	2.0	172.5	45.2	4063.5
COLL. DIV.	27.7	9.5	3.7	2.4	0.0	0.0	1.9	0.4	45.7
COLL. UNDIV.	636.6	222.5	83.8	53.4	1.1	0.5	44.8	12.0	1054.6
COLL. DISTRIBUTOR	1.8	0.6	0.2	0.1	0.0	0.0	.1	0.0	3.0
FRONTAGE	832.3	292.2	109.7	68.9	1.4	0.7	57.9	16.1	1379.3
RAMP	566.0	197.5	74.9	46.8	0.9	0.4	38.1	10.4	935.2
TRANSMOUNTAIN	142.0	53.2	19.5	11.0	.2	0.1	9.1	3.7	238.8
LOOP 375	554.6	216.8	82.3	33.9	0.7	0.3	27.8	13.6	930.0
INTRAZONAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS	26869.7	9596.6	3586.6	2177.9	45.5	21.4	1826.2	560.3	44684.3
DIURNAL	2413.8	1007.2	149.8	214.2	0.0	0.0	0.0	133.5	3918.4
ALL	29283.5	10603.8	3736.4	2392.2	45.5	21.4	1826.2	693.8	48602.7

EL PASO 1996 TRIPS ON 1996 NETWORK OZONE SEASON (SUMMER)
24 HOUR

POUNDS OF CO POLLUTION

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE								TOTALS
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	
LOCAL	23633.6	9071.5	3087.1	2953.3	10.0	3.8	862.0	204.1	39825.5
BORDER HIGHWAY	6163.2	2480.9	827.5	878.7	2.8	1.1	237.1	49.1	10640.3
FREEWAY	66514.4	27914.9	9485.3	8670.8	25.6	9.8	2208.3	583.8	115413.0
EXPRESSWAY	2366.2	958.1	318.1	343.7	1.1	0.4	92.1	18.6	4098.3
PRINCIPAL ART. DIV.	64934.8	24844.7	8556.0	8287.1	27.9	10.7	2398.0	581.7	109640.9
PRIN. ART. UNDIV.	23625.9	9141.4	3159.8	3105.2	10.2	3.9	878.7	212.3	40137.4
DIV. ARTERIAL	6838.0	2588.5	896.4	888.0	3.0	1.1	258.0	62.4	11535.5
UNDIV. ARTERIAL	21217.4	8082.8	2784.1	2766.5	9.3	3.6	798.2	190.7	35852.5
COLL. DIV.	240.1	90.7	32.2	33.4	0.1	0.0	9.5	2.3	408.3
COLL. UNDIV.	5480.8	2096.6	720.0	712.4	2.4	0.9	205.4	48.8	9267.2
COLL. DISTRIBUTOR	15.3	5.9	2.0	1.9	0.0	0.0	0.5	0.1	25.7
FRONTAGE	7208.0	2779.7	954.0	932.7	3.1	1.2	266.1	64.0	12208.8
RAMP	4858.8	1868.1	651.1	626.3	2.1	0.8	178.9	44.7	8230.6
TRANSMOUNTAIN	1364.7	571.4	193.1	191.1	0.6	0.2	47.6	11.7	2380.5
LOOP 375	8344.9	3780.7	1332.4	785.4	2.0	0.8	175.8	88.4	14510.4
INTRAZONAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS	242806.1	96275.8	32999.0	31176.4	100.1	38.4	8616.3	2162.8	414174.9

EL PASO 1996 TRIPS ON 1996 NETWORK OZONE SEASON (SUMMER)
24 HOUR

POUNDS OF NOX POLLUTION

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE								TOTALS
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	
LOCAL	3309.3	1088.7	347.7	314.7	12.5	4.8	1375.0	10.5	6463.1
BORDER HIGHWAY	1356.4	452.0	145.8	132.0	5.3	2.0	580.1	4.7	2678.4
FREEWAY	14135.7	4747.0	1541.0	1244.8	55.1	21.1	6076.5	48.5	27869.9
EXPRESSWAY	543.1	181.0	58.4	53.9	2.1	0.8	233.5	1.9	1074.7
PRINCIPAL ART. DIV.	8394.9	2757.7	881.1	781.6	32.6	12.5	3589.7	26.1	16476.2
PRIN. ART. UNDIV.	3382.2	1116.6	357.9	313.5	13.2	5.1	1457.6	10.8	6656.8
DIV. ARTERIAL	777.1	253.9	81.0	71.6	3.1	1.2	345.6	2.3	1535.8
UNDIV. ARTERIAL	2642.1	866.4	277.0	246.0	10.6	4.0	1163.6	8.1	5217.8
COLL. DIV.	23.6	7.7	2.4	2.1	0.1	0.0	11.5	0.1	47.5
COLL. UNDIV.	709.7	232.9	74.4	67.4	2.8	1.1	311.4	2.2	1402.0
COLL. DISTRIBUTOR	2.3	0.8	0.2	0.2	0.0	0.0	0.9	0.0	4.4
FRONTAGE	1009.2	332.7	106.6	93.3	3.9	1.5	431.8	3.2	1982.3
RAMP	619.9	203.8	65.1	57.8	2.4	0.9	268.9	1.9	1220.8
TRANSMOUNTAIN	330.3	111.3	36.2	27.8	1.3	0.5	138.7	1.1	647.2
LOOP 375	1275.6	433.5	142.0	92.1	5.3	2.0	588.6	4.3	2543.4
INTRAZONAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS	38511.4	12785.8	4116.9	3499.0	150.3	57.7	16573.4	125.8	75820.3

EL PASO 1996 TRIPS ON 1993 NETWORK OZONE SEASON (SUMMER)
24 HOUR

VEHICLE MILES OF TRAVEL

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE								TOTALS
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	
LOCAL	878222.26	252200.85	67850.99	25604.15	3840.62	1280.21	46087.47	5120.83	1280207.37
BORDER HIGHWAY	324626.60	93223.67	25080.48	9464.33	1419.65	473.22	17035.80	1892.87	473216.62
FREEWAY	2921246.04	838900.10	225693.94	85167.52	12775.13	4258.38	153301.54	17033.50	4258376.15
EXPRESSWAY	121743.21	34961.24	9405.82	3549.36	532.40	177.47	6388.86	709.87	177468.24
PRINCIPAL ART. DIV.	2155805.94	619087.13	166556.44	62851.49	9427.72	3142.57	113132.67	12570.30	3142574.26
PRIN. ART. UNDIV.	858156.96	246438.66	66300.76	25019.15	3752.87	1250.96	45034.48	5003.83	1250957.67
DIV. ARTERIAL	206183.03	59210.00	15929.59	6011.17	901.68	300.56	10820.10	1202.23	300558.36
UNDIV. ARTERIAL	686206.69	197059.36	53015.97	20006.03	3000.90	1000.30	36010.85	4001.21	1000301.30
COLL. DIV.	3966.07	1138.94	306.42	115.63	17.34	5.78	208.13	23.13	5781.44
COLL. UNDIV.	191108.53	54881.02	14764.95	5571.68	835.75	278.58	10029.02	1114.34	278583.87
COLL. DISTRIBUTOR	631.72	181.41	48.81	18.42	2.76	0.92	33.15	3.68	920.88
FRONTAGE	268697.81	77162.49	20759.45	7833.76	1175.06	391.69	14100.76	1566.75	391687.77
RAMP	158610.86	45548.60	12254.19	4624.22	693.63	231.21	8323.60	924.84	231211.17
TRANSMOUNTAIN	61464.98	17651.02	4748.75	1791.98	268.80	89.60	3225.57	358.40	89599.10
LOOP 375	195794.87	56226.81	15127.01	5708.31	856.25	285.42	10274.95	1141.66	285415.26
INTRAZONAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS	9032465.59	2593871.31	697843.55	263337.19	39500.58	13166.86	474006.94	52667.44	13166859.46

EL PASO 1996 TRIPS ON 1993 NETWORK OZONE SEASON (SUMMER)
24 HOUR

VEHICLE HOURS

COUNTY: EL PASO

VEHICLE TYPE

ROADWAY TYPE	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	TOTALS
LOCAL	30158.313	8660.623	2330.015	879.251	131.888	43.963	1582.652	175.850	43962.555
BORDER HIGHWAY	7130.661	2047.726	550.911	207.891	31.184	10.395	374.204	41.578	10394.549
FREEWAY	57618.248	16546.348	4451.556	1679.832	251.975	83.992	3023.698	335.966	83991.616
EXPRESSWAY	2512.708	721.579	194.130	73.257	10.989	3.663	131.862	14.651	3662.839
PRINCIPAL ART. DIV.	84397.879	24236.709	6520.536	2460.580	369.087	123.029	4429.043	492.116	123028.978
PRIN. ART. UNDIV.	31156.388	8947.243	2407.126	908.350	136.252	45.417	1635.029	181.670	45417.476
DIV. ARTERIAL	8989.706	2581.592	694.540	262.091	39.314	13.105	471.763	52.418	13104.527
UNDIV. ARTERIAL	27757.682	7971.229	2144.544	809.262	121.389	40.463	1456.671	161.852	40463.093
COLL. DIV.	245.289	70.440	18.951	7.151	1.073	0.358	12.872	1.430	357.564
COLL. UNDIV.	7306.098	2098.107	564.465	213.006	31.951	10.650	383.410	42.601	10650.289
COLL. DISTRIBUTOR	20.400	5.858	1.576	0.595	0.089	0.030	1.071	0.119	29.737
FRONTAGE	9525.365	2735.418	735.925	277.707	41.656	13.885	499.873	55.541	13885.372
RAMP	6407.105	1839.941	495.010	186.796	28.019	9.340	336.233	37.359	9339.804
TRANSMOUNTAIN	1125.109	323.100	86.925	32.802	4.920	1.640	59.044	6.560	1640.100
LOOP 375	3027.412	869.388	233.896	88.263	13.239	4.413	158.873	17.653	4413.137
INTRAZONAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTALS	277378.363	79655.302	21430.107	8086.833	1213.025	404.342	14556.299	1617.367	404341.637

EL PASO 1996 TRIPS ON 1993 NETWORK OZONE SEASON (SUMMER)
24 HOUR

AVERAGE OPERATIONAL SPEED WEIGHTED BY VMT

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE							
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
LOCAL	30.22	30.22	30.22	30.22	30.22	30.22	30.22	30.22
BORDER HIGHWAY	47.33	47.33	47.33	47.33	47.33	47.33	47.33	47.33
FREEWAY	52.52	52.52	52.52	52.52	52.52	52.52	52.52	52.52
EXPRESSWAY	48.69	48.69	48.69	48.69	48.69	48.69	48.69	48.69
PRINCIPAL ART. DIV.	28.63	28.63	28.63	28.63	28.63	28.63	28.63	28.63
PRIN. ART. UNDIV.	34.33	34.33	34.33	34.33	34.33	34.33	34.33	34.33
DIV. ARTERIAL	25.03	25.03	25.03	25.03	25.03	25.03	25.03	25.03
UNDIV. ARTERIAL	28.18	28.18	28.18	28.18	28.18	28.18	28.18	28.18
COLL. DIV.	17.68	17.68	17.68	17.68	17.68	17.68	17.68	17.68
COLL. UNDIV.	29.88	29.88	29.88	29.88	29.88	29.88	29.88	29.88
COLL. DISTRIBUTOR	30.98	30.98	30.98	30.98	30.98	30.98	30.98	30.98
FRONTAGE	32.36	32.36	32.36	32.36	32.36	32.36	32.36	32.36
RAMP	30.77	30.77	30.77	30.77	30.77	30.77	30.77	30.77
TRANSMOUNTAIN	55.61	55.61	55.61	55.61	55.61	55.61	55.61	55.61
LOOP 375	64.77	64.77	64.77	64.77	64.77	64.77	64.77	64.77
INTRAZONAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

EL PASO 1996 TRIPS ON 1993 NETWORK OZONE SEASON (SUMMER)
24 HOUR

POUNDS OF VOC POLLUTION

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE								TOTALS
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	
LOCAL	2798.1	980.1	366.2	229.7	4.9	2.3	198.2	55.0	4634.6
BORDER HIGHWAY	742.9	272.7	99.6	61.1	1.3	0.6	51.6	18.4	1248.3
FREEWAY	6797.9	2536.9	932.4	525.2	10.9	5.2	439.4	170.8	11418.8
EXPRESSWAY	265.0	98.0	35.6	21.9	0.5	0.2	18.5	6.8	446.5
PRINCIPAL ART. DIV.	7563.4	2637.7	995.3	627.8	13.1	6.2	526.7	140.5	12510.7
PRIN. ART. UNDIV.	2829.6	996.0	375.3	234.5	4.8	2.3	192.8	54.9	4690.0
DIV. ARTERIAL	789.4	272.7	103.4	66.7	1.4	0.7	55.5	13.9	1303.5
UNDIV. ARTERIAL	2471.2	859.7	324.8	207.8	4.3	2.0	173.4	45.2	4088.4
COLL. DIV.	20.1	6.8	2.6	1.8	0.0	0.0	1.4	0.3	33.1
COLL. UNDIV.	656.2	229.2	86.4	55.0	1.1	0.5	46.1	12.4	1087.0
COLL. DISTRIBUTOR	1.9	0.7	0.3	0.2	0.0	0.0	0.1	0.0	3.2
FRONTAGE	879.3	308.7	115.9	72.7	1.5	0.7	61.2	17.1	1457.0
RAMP	567.4	197.9	75.1	46.9	0.9	0.4	38.1	10.4	937.3
TRANSMOUNTAIN	137.9	51.6	18.9	10.7	0.2	0.1	8.8	3.6	231.8
LOOP 375	545.4	213.3	81.0	33.2	0.7	0.3	27.3	13.4	914.6
INTRAZONAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS	27065.8	9662.0	3612.7	2195.0	45.8	21.6	1839.2	562.6	45004.6
DIURNAL	2413.8	1007.2	149.8	214.2	0.0	0.0	0.0	133.5	3918.4
ALL	29479.6	10669.2	3762.5	2409.2	45.8	21.6	1839.2	696.0	48923.0

EL PASO 1996 TRIPS ON 1993 NETWORK OZONE SEASON (SUMMER)
24 HOUR

POUNDS OF CO POLLUTION

COUNTY: EL PASO

VEHICLE TYPE

ROADWAY TYPE	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	TOTALS
LOCAL	23831.4	9148.7	3113.1	2978.0	10.1	3.9	869.1	205.7	40160.0
BORDER HIGHWAY	6258.7	2518.6	840.2	892.0	2.8	1.1	240.7	49.9	10804.1
FREEWAY	66705.5	27992.0	9511.9	8693.8	25.7	9.9	2215.0	585.6	115739.4
EXPRESSWAY	2204.3	893.5	296.5	321.7	1.0	0.4	86.0	17.3	3820.6
PRINCIPAL ART. DIV.	65050.6	24869.3	8574.8	8306.0	27.9	10.7	2404.5	584.9	109828.8
PRIN. ART. UNDIV.	24389.2	9431.7	3261.8	3205.7	10.5	4.0	907.8	219.5	41430.3
DIV. ARTERIAL	6828.3	2584.6	894.7	886.4	3.0	1.1	257.6	62.2	11518.0
UNDIV. ARTERIAL	21362.3	8133.5	2804.1	2782.3	9.3	3.6	803.1	192.6	36090.8
COLL. DIV.	175.2	65.6	23.4	24.3	0.1	0.0	7.0	1.7	297.2
COLL. UNDIV.	5651.4	2161.2	742.8	734.6	2.5	0.9	211.8	50.4	9555.6
COLL. DISTRIBUTOR	16.2	6.3	2.1	2.0	0.0	0.0	0.6	0.1	27.3
FRONTAGE	7603.3	2932.4	1005.9	980.7	3.3	1.2	280.1	67.4	12874.3
RAMP	4867.6	1871.2	652.6	626.7	2.1	0.8	178.9	44.9	8244.8
TRANSMOUNTAIN	1326.3	555.1	187.7	185.3	0.5	0.2	46.2	11.4	2312.7
LOOP 375	8240.9	3735.6	1316.8	772.7	2.0	0.8	172.7	87.4	14328.9
INTRAZONAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS	244511.2	96899.3	33228.5	31392.1	100.8	38.7	8681.2	2181.0	417032.8

EL PASO 1996 TRIPS ON 1993 NETWORK OZONE SEASON (SUMMER)
24 HOUR

POUNDS OF NOX POLLUTION

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE								TOTALS
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	
LOCAL	3344.4	1100.3	351.4	318.1	12.6	4.8	1389.0	10.6	6531.3
BORDER HIGHWAY	1375.0	458.2	147.8	133.8	5.3	2.0	588.1	4.8	2715.0
FREEWAY	14156.1	4753.5	1543.1	1247.6	55.2	21.2	6087.4	48.6	27912.6
EXPRESSWAY	511.1	170.4	55.0	50.7	2.0	0.8	219.8	1.8	1011.4
PRINCIPAL ART. DIV.	8293.9	2723.3	869.9	770.9	32.3	12.4	3556.1	25.7	16284.3
PRIN. ART. UNDIV.	3466.1	1144.0	366.6	321.2	13.6	5.2	1495.1	11.1	6822.8
DIV. ARTERIAL	776.1	253.6	80.9	71.6	3.1	1.2	345.1	2.3	1533.9
UNDIV. ARTERIAL	2629.4	861.9	275.5	244.5	10.5	4.0	1159.6	8.0	5193.5
COLL. DIV.	14.8	4.8	1.5	1.3	0.1	0.0	7.5	0.0	30.1
COLL. UNDIV.	727.2	238.6	76.3	69.0	2.9	1.1	319.4	2.3	1436.8
COLL. DISTRIBUTOR	2.4	0.8	0.3	0.2	0.0	0.0	1.0	0.0	4.7
FRONTAGE	1068.3	352.2	112.8	99.0	4.1	1.6	455.6	3.4	2097.0
RAMP	618.6	203.4	65.0	57.7	2.4	0.9	268.4	1.9	1218.3
TRANSMOUNTAIN	318.8	107.4	34.9	26.8	1.2	0.5	134.0	1.1	624.7
LOOP 375	1254.1	426.3	139.6	90.3	5.3	2.0	579.2	4.2	2501.0
INTRAZONAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS	38556.3	12798.5	4120.6	3502.8	150.6	57.8	16605.2	125.8	75917.5

EL PASO 1999 TRIPS ON 1999 NETWORK OZONE SEASON (SUMMER)
24 HOUR

VEHICLE MILES OF TRAVEL

COUNTY: EL PASO

VEHICLE TYPE

ROADWAY TYPE	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	TOTALS
LOCAL	934496.53	268375.29	72943.03	26149.39	13762.84	4128.85	50922.49	5505.13	1376283.55
BORDER HIGHWAY	341156.19	97975.64	26629.28	9546.34	5024.39	1507.32	18590.25	2009.76	502439.16
FREEWAY	3052994.42	876780.43	238304.42	85429.89	44963.10	13488.93	166363.47	17985.24	4496309.90
EXPRESSWAY	145968.36	41920.22	11393.70	4084.53	2149.75	644.93	7954.09	859.90	214975.49
PRINCIPAL ART. DIV.	2515866.54	722524.26	196378.39	70399.80	37052.53	11115.76	137094.35	14821.01	3705252.63
PRIN. ART. UNDIV.	802127.06	230360.50	62610.80	22445.38	11813.36	3544.01	43709.43	4725.34	1181335.88
DIV. ARTERIAL	221523.00	63618.53	17291.19	6198.73	3262.49	978.75	12071.21	1305.00	326248.89
UNDIV. ARTERIAL	739355.47	212333.31	57711.10	20688.89	10888.89	3266.67	40288.88	4355.56	1088888.77
COLL. DIV.	6381.83	1832.78	498.14	178.58	93.99	28.20	347.76	37.60	9398.86
COLL. UNDIV.	189465.93	54412.16	14788.95	5301.70	2790.37	837.11	10324.36	1116.15	279036.72
COLL. DISTRIBUTOR	666.26	191.34	52.01	18.64	9.81	2.94	36.31	3.92	981.24
FRONTAGE	292641.23	84042.77	22842.39	8188.78	4309.89	1292.97	15946.58	1723.95	430988.55
RAMP	177054.83	50847.85	13820.19	4954.41	2607.58	782.27	9648.05	1043.03	260758.22
TRANSMOUNTAIN	76666.08	22017.50	5984.24	2145.30	1129.10	338.73	4177.68	451.64	112910.28
LOOP 375	240329.69	69019.57	18759.17	6724.98	3539.47	1061.84	13096.02	1415.79	353946.52
INTRAZONAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS	9736693.41	2796252.16	760007.00	272455.34	143397.55	43019.26	530570.92	57359.02	14339754.66

EL PASO 1999 TRIPS ON 1999 NETWORK OZONE SEASON (SUMMER)
24 HOUR

VEHICLE HOURS

COUNTY: EL PASO

VEHICLE TYPE

ROADWAY TYPE	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	TOTALS
LOCAL	32188.587	9244.145	2512.511	900.712	474.059	142.218	1754.017	189.623	47405.872
BORDER HIGHWAY	7728.063	2219.400	603.221	216.249	113.815	34.145	421.117	45.526	11381.536
FREEWAY	61289.190	17601.461	4783.987	1715.014	902.639	270.792	3339.764	361.056	90263.903
EXPRESSWAY	3038.807	872.706	237.197	85.033	44.754	13.426	165.590	17.902	4475.416
PRINCIPAL ART. DIV.	99599.161	28603.588	7774.309	2787.016	1466.851	440.055	5427.348	586.740	146685.068
PRIN. ART. UNDIV.	28461.603	8173.803	2221.598	796.422	419.169	125.751	1550.927	167.668	41916.941
DIV. ARTERIAL	9557.104	2744.676	745.989	267.430	140.753	42.226	520.785	56.301	14075.263
UNDIV. ARTERIAL	30040.049	8627.113	2344.805	840.590	442.416	132.725	1636.939	176.966	44241.603
COLL. DIV.	314.665	90.368	24.562	8.805	4.634	1.390	17.147	1.854	463.425
COLL. UNDIV.	7433.954	2134.935	580.264	208.019	109.484	32.845	405.090	43.794	10948.387
COLL. DISTRIBUTOR	21.574	6.196	1.684	0.604	0.318	0.095	1.176	0.127	31.773
FRONTAGE	10444.318	2999.473	815.241	292.256	153.819	46.146	569.131	61.528	15381.911
RAMP	7374.495	2117.860	575.623	206.356	108.608	32.582	401.850	43.443	10860.818
TRANSMOUNTAIN	1401.198	402.406	109.372	39.209	20.636	6.191	76.354	8.254	2063.619
LOOP 375	3816.637	1096.089	297.911	106.798	56.210	16.863	207.976	22.484	5620.968
INTRAZONAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTALS	302709.405	86934.218	23628.275	8470.514	4458.165	1337.450	16495.211	1783.266	445816.502

EL PASO 1999 TRIPS ON 1999 NETWORK OZONE SEASON (SUMMER)
24 HOUR

AVERAGE OPERATIONAL SPEED WEIGHTED BY VMT

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE							
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
LOCAL	30.12	30.12	30.12	30.12	30.12	30.12	30.12	30.12
BORDER HIGHWAY	46.64	46.64	46.64	46.64	46.64	46.64	46.64	46.64
FREEWAY	52.08	52.08	52.08	52.08	52.08	52.08	52.08	52.08
EXPRESSWAY	48.39	48.39	48.39	48.39	48.39	48.39	48.39	48.39
PRINCIPAL ART. DIV.	28.76	28.76	28.76	28.76	28.76	28.76	28.76	28.76
PRIN. ART. UNDIV.	34.90	34.90	34.90	34.90	34.90	34.90	34.90	34.90
DIV. ARTERIAL	25.43	25.43	25.43	25.43	25.43	25.43	25.43	25.43
UNDIV. ARTERIAL	28.08	28.08	28.08	28.08	28.08	28.08	28.08	28.08
COLL. DIV.	26.16	26.16	26.16	26.16	26.16	26.16	26.16	26.16
COLL. UNDIV.	29.74	29.74	29.74	29.74	29.74	29.74	29.74	29.74
COLL. DISTRIBUTOR	30.90	30.90	30.90	30.90	30.90	30.90	30.90	30.90
FRONTAGE	33.20	33.20	33.20	33.20	33.20	33.20	33.20	33.20
RAMP	30.37	30.37	30.37	30.37	30.37	30.37	30.37	30.37
TRANSMOUNTAIN	55.49	55.49	55.49	55.49	55.49	55.49	55.49	55.49
LOOP 375	63.30	63.30	63.30	63.30	63.30	63.30	63.30	63.30
INTRAZONAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

EL PASO 1999 TRIPS ON 1999 NETWORK OZONE SEASON (SUMMER)
24 HOUR

POUNDS OF VOC POLLUTION

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE								TOTALS
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	
LOCAL	2515.4	840.9	306.3	168.8	16.2	6.5	198.8	60.1	4113.1
BORDER HIGHWAY	664.7	233.7	83.1	45.0	4.2	1.7	52.1	20.0	1104.6
FREEWAY	5945.4	2126.0	759.7	380.6	35.6	14.3	437.1	184.2	9882.8
EXPRESSWAY	266.9	94.8	33.5	18.1	1.7	0.7	21.0	8.4	445.1
PRINCIPAL ART. DIV.	7481.8	2491.5	917.1	509.5	47.2	18.9	580.1	168.9	12215.0
PRIN. ART. UNDIV.	2177.1	734.5	269.1	148.3	13.6	5.5	167.0	52.3	3567.4
DIV. ARTERIAL	709.2	233.8	86.4	49.0	4.5	1.8	55.6	15.3	1155.5
UNDIV. ARTERIAL	2253.0	747.4	275.3	155.4	14.4	5.8	176.9	50.0	3678.3
COLL. DIV.	22.4	7.4	2.7	1.6	0.1	0.1	1.7	0.5	36.6
COLL. UNDIV.	557.8	185.9	68.4	38.3	3.5	1.4	43.4	12.7	911.5
COLL. DISTRIBUTOR	1.7	0.6	0.2	0.1	0.0	0.0	0.1	0.0	2.8
FRONTAGE	809.2	271.7	99.5	54.8	5.1	2.0	62.5	19.2	1324.0
RAMP	542.7	180.9	67.0	36.9	3.3	1.3	40.6	12.1	884.8
TRANSMOUNTAIN	141.3	50.7	18.0	9.1	0.8	0.3	10.4	4.5	235.2
LOOP 375	527.7	196.4	72.0	28.0	2.6	1.0	31.6	16.5	875.7
INTRAZONAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS	24616.3	8396.2	3058.2	1643.6	152.9	61.3	1878.9	624.8	40432.2
DIURNAL	2107.4	864.2	106.2	168.3	0.0	0.0	0.0	114.5	3360.7
ALL	26723.7	9260.5	3164.5	1811.9	152.9	61.3	1878.9	739.2	43792.9

EL PASO 1999 TRIPS ON 1999 NETWORK OZONE SEASON (SUMMER)
24 HOUR

POUNDS OF CO POLLUTION

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE								TOTALS
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	
LOCAL	20050.0	7640.8	2756.5	2054.8	34.5	11.5	911.0	225.2	33684.3
BORDER HIGHWAY	5055.3	2050.4	724.8	615.7	9.6	3.2	253.6	55.2	8767.8
FREEWAY	51505.3	21905.9	7819.9	5913.6	86.9	29.0	2295.1	635.0	90190.7
EXPRESSWAY	2000.9	824.8	289.8	250.1	3.9	1.3	101.7	21.7	3494.1
PRINCIPAL ART. DIV.	60324.9	22857.8	8350.4	6338.4	105.3	35.1	2780.9	708.8	101501.7
PRIN. ART. UNDIV.	17394.0	6704.3	2443.9	1908.0	31.1	10.3	820.0	205.3	29517.0
DIV. ARTERIAL	5784.7	2164.2	792.5	610.6	10.2	3.4	269.4	67.8	9702.7
UNDIV. ARTERIAL	18346.6	6904.0	2519.5	1956.4	32.5	10.8	857.7	213.6	30841.0
COLL. DIV.	181.9	68.1	25.3	20.6	0.3	0.1	8.9	2.2	307.6
COLL. UNDIV.	4504.2	1706.1	622.6	479.4	7.9	2.6	209.6	52.7	7585.2
COLL. DISTRIBUTOR	13.5	5.2	1.9	1.4	0.0	0.0	0.6	0.1	22.6
FRONTAGE	6536.2	2508.5	912.1	702.0	11.5	3.8	302.6	76.5	11053.2
RAMP	4334.4	1652.9	609.9	462.8	7.6	2.5	200.5	53.0	7323.5
TRANSMOUNTAIN	1179.8	500.2	177.4	148.2	2.1	0.7	56.3	14.0	2078.8
LOOP 375	6554.9	3022.3	1104.2	590.4	7.7	2.6	203.2	100.8	11586.1
INTRAZONAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS	203766.5	80515.6	29150.7	22052.2	351.2	117.0	9271.1	2432.0	347656.3

EL PASO 1999 TRIPS ON 1999 NETWORK OZONE SEASON (SUMMER)
24 HOUR

POUNDS OF NOX POLLUTION

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE								TOTALS
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	
LOCAL	3105.2	981.2	326.2	293.8	40.9	13.5	1230.0	11.4	6002.3
BORDER HIGHWAY	1243.9	396.7	132.8	121.6	17.0	5.6	512.0	5.0	2434.7
FREEWAY	12622.1	4081.8	1371.3	1129.1	175.5	58.1	5278.0	51.0	24766.8
EXPRESSWAY	529.4	168.7	56.5	52.7	7.3	2.4	218.8	2.2	1037.8
PRINCIPAL ART. DIV.	8458.3	2674.9	889.3	782.3	115.5	38.2	3473.3	30.3	16462.2
PRIN. ART. UNDIV.	2819.1	895.6	298.4	261.9	38.7	12.8	1163.0	10.5	5500.1
DIV. ARTERIAL	728.4	229.9	76.4	67.0	10.3	3.4	308.4	2.5	1426.2
UNDIV. ARTERIAL	2469.1	780.7	259.7	228.6	34.7	11.5	1044.1	8.7	4837.2
COLL. DIV.	21.2	6.7	2.2	1.9	0.3	0.1	9.7	0.1	42.2
COLL. UNDIV.	629.3	198.8	66.1	59.4	8.8	2.9	264.7	2.3	1232.3
COLL. DISTRIBUTOR	2.2	0.7	0.2	0.2	0.0	0.0	0.9	0.0	4.3
FRONTAGE	1026.5	326.3	108.7	94.3	14.0	4.6	421.4	3.8	1999.7
RAMP	601.9	190.4	63.3	55.8	8.3	2.8	250.4	2.2	1174.9
TRANSMOUNTAIN	337.4	109.8	36.9	29.0	4.6	1.5	138.1	1.4	658.7
LOOP 375	1260.3	416.4	140.5	95.5	18.9	6.2	567.5	5.1	2510.4
INTRAZONAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS	35854.3	11458.6	3828.5	3273.2	494.7	163.8	14880.3	136.4	70089.8

EL PASO 1999 TRIPS ON 1993 NETWORK OZONE SEASON (SUMMER)
24 HOUR

VEHICLE MILES OF TRAVEL

COUNTY: EL PASO

VEHICLE TYPE

ROADWAY TYPE	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	TOTALS
LOCAL	944973.70	271384.20	73760.83	26442.56	13917.14	4175.14	51493.41	5566.86	1391713.85
BORDER HIGHWAY	353815.59	101611.25	27617.42	9900.58	5210.83	1563.25	19280.08	2084.33	521083.34
FREEWAY	3130381.14	899004.89	244344.92	87595.35	46102.81	13830.84	170580.42	18441.13	4610281.50
EXPRESSWAY	129688.04	37244.72	10122.92	3628.97	1909.99	573.00	7066.95	763.99	190998.58
PRINCIPAL ART. DIV.	2337691.76	671354.78	182470.79	65414.06	34428.45	10328.54	127385.27	13771.38	3442845.01
PRIN. ART. UNDIV.	911027.69	261635.35	71111.15	25492.67	13417.20	4025.16	49643.63	5366.88	1341719.72
DIV. ARTERIAL	230799.95	66282.75	18015.31	6458.32	3399.12	1019.73	12576.73	1359.65	339911.56
UNDIV. ARTERIAL	769805.76	221078.24	60087.93	21540.96	11337.35	3401.20	41948.18	4534.94	1133734.55
COLL. DIV.	4510.31	1295.30	352.06	126.21	66.43	19.93	245.78	26.57	6642.57
COLL. UNDIV.	214014.21	61462.11	16705.09	5988.62	3151.90	945.57	11662.04	1260.76	315190.29
COLL. DISTRIBUTOR	648.76	186.32	50.64	18.15	9.55	2.87	35.35	3.82	955.47
FRONTAGE	312720.60	89809.30	24409.71	8750.65	4605.61	1381.68	17040.74	1842.24	460560.53
RAMP	176941.14	50815.20	13811.31	4951.22	2605.91	781.77	9641.86	1042.36	260590.78
TRANSMOUNTAIN	71555.98	20549.95	5585.37	2002.30	1053.84	316.15	3899.22	421.54	105384.36
LOOP 375	210896.31	60566.69	16461.71	5901.37	3105.98	931.80	11492.14	1242.39	310598.39
INTRAZONAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS	9799470.93	2814281.05	764907.16	274212.00	144322.10	43296.63	533991.79	57728.84	14432210.50

EL PASO 1999 TRIPS ON 1993 NETWORK OZONE SEASON (SUMMER)
24 HOUR

VEHICLE HOURS

COUNTY: EL PASO

VEHICLE TYPE

ROADWAY TYPE	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	TOTALS
LOCAL	32461.949	9322.651	2533.849	908.361	478.085	143.425	1768.913	191.234	47808.466
BORDER HIGHWAY	8117.932	2331.365	633.653	227.159	119.557	35.867	442.362	47.823	11955.717
FREEWAY	63239.028	18161.429	4936.183	1769.575	931.355	279.407	3446.015	372.542	93135.535
EXPRESSWAY	2702.360	776.083	210.935	75.618	39.799	11.940	147.257	15.920	3979.911
PRINCIPAL ART. DIV.	95053.480	27298.128	7419.491	2659.818	1399.904	419.971	5179.645	559.962	139990.398
PRIN. ART. UNDIV.	34562.511	9925.905	2697.810	967.139	509.021	152.706	1883.377	203.608	50902.078
DIV. ARTERIAL	10165.234	2919.323	793.457	284.447	149.709	44.913	553.923	59.884	14970.889
UNDIV. ARTERIAL	31927.687	9169.218	2492.146	893.411	470.216	141.065	1739.800	188.087	47021.630
COLL. DIV.	276.839	79.505	21.609	7.747	4.077	1.223	15.086	1.631	407.716
COLL. UNDIV.	8549.006	2455.164	667.301	239.221	125.906	37.772	465.852	50.362	12590.583
COLL. DISTRIBUTOR	20.982	6.026	1.638	0.587	0.309	0.093	1.143	0.124	30.901
FRONTAGE	11302.078	3245.810	882.195	316.258	166.452	49.936	615.872	66.581	16645.182
RAMP	7609.196	2185.262	593.943	212.923	112.065	33.619	414.640	44.826	11206.474
TRANSMOUNTAIN	1314.155	377.408	102.578	36.773	19.354	5.806	71.611	7.742	1935.427
LOOP 375	3280.918	942.237	256.095	91.808	48.320	14.496	178.783	19.328	4831.986
INTRAZONAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTALS	310583.355	89195.514	24242.883	8690.845	4574.129	1372.239	16924.277	1829.652	457412.893

EL PASO 1999 TRIPS ON 1993 NETWORK OZONE SEASON (SUMMER)
24 HOUR

AVERAGE OPERATIONAL SPEED WEIGHTED BY VMT

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE							
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
LOCAL	30.21	30.21	30.21	30.21	30.21	30.21	30.21	30.21
BORDER HIGHWAY	46.45	46.45	46.45	46.45	46.45	46.45	46.45	46.45
FREEWAY	51.87	51.87	51.87	51.87	51.87	51.87	51.87	51.87
EXPRESSWAY	48.33	48.33	48.33	48.33	48.33	48.33	48.33	48.33
PRINCIPAL ART. DIV.	28.07	28.07	28.07	28.07	28.07	28.07	28.07	28.07
PRIN. ART. UNDIV.	33.69	33.69	33.69	33.69	33.69	33.69	33.69	33.69
DIV. ARTERIAL	24.78	24.78	24.78	24.78	24.78	24.78	24.78	24.78
UNDIV. ARTERIAL	27.66	27.66	27.66	27.66	27.66	27.66	27.66	27.66
COLL. DIV.	17.77	17.77	17.77	17.77	17.77	17.77	17.77	17.77
COLL. UNDIV.	29.42	29.42	29.42	29.42	29.42	29.42	29.42	29.42
COLL. DISTRIBUTOR	30.93	30.93	30.93	30.93	30.93	30.93	30.93	30.93
FRONTAGE	32.54	32.54	32.54	32.54	32.54	32.54	32.54	32.54
RAMP	29.95	29.95	29.95	29.95	29.95	29.95	29.95	29.95
TRANSMOUNTAIN	55.43	55.43	55.43	55.43	55.43	55.43	55.43	55.43
LOOP 375	64.43	64.43	64.43	64.43	64.43	64.43	64.43	64.43
INTRAZONAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

EL PASO 1999 TRIPS ON 1993 NETWORK OZONE SEASON (SUMMER)
24 HOUR

POUNDS OF VOC POLLUTION

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE								TOTALS
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	
LOCAL	2538.0	848.7	309.0	170.3	16.3	6.5	200.6	60.8	4150.3
BORDER HIGHWAY	694.6	244.1	86.9	47.2	4.4	1.8	54.4	20.8	1154.2
FREEWAY	6113.0	2184.3	780.6	391.7	36.6	14.7	449.9	189.0	10159.8
EXPRESSWAY	236.6	84.0	29.7	16.1	1.5	0.6	18.6	7.5	394.6
PRINCIPAL ART. DIV.	7090.2	2358.1	869.6	483.6	44.7	17.9	548.9	158.2	11571.2
PRIN. ART. UNDIV.	2593.9	872.1	321.1	177.1	16.0	6.4	197.0	60.6	4244.2
DIV. ARTERIAL	751.3	247.4	91.5	52.0	4.8	1.9	58.9	16.0	1223.7
UNDIV. ARTERIAL	2381.3	789.4	291.2	164.2	15.1	6.1	186.1	52.4	3885.9
COLL. DIV.	19.1	6.2	2.3	1.4	0.1	0.0	1.5	0.4	31.0
COLL. UNDIV.	638.6	212.7	78.4	43.8	4.0	1.6	49.6	14.4	1043.2
COLL. DISTRIBUTOR	1.7	0.6	0.2	0.1	0.0	0.0	0.1	0.0	2.7
FRONTAGE	871.3	292.2	107.1	59.1	5.5	2.2	67.4	20.5	1425.2
RAMP	554.9	184.8	68.6	37.8	3.4	1.3	41.3	12.2	904.3
TRANSMOUNTAIN	132.5	47.6	16.9	8.5	0.8	0.3	9.7	4.2	220.6
LOOP 375	473.0	176.7	64.9	24.5	2.2	0.9	27.6	14.7	784.7
INTRAZONAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS	25090.0	8548.9	3118.1	1677.4	155.6	62.4	1911.6	631.7	41195.6
DIURNAL	2107.4	864.2	106.2	168.3	0.0	0.0	0.0	114.5	3360.7
ALL	27197.4	9413.1	3224.3	1845.7	155.6	62.4	1911.6	746.2	44556.3

EL PASO 1999 TRIPS ON 1993 NETWORK OZONE SEASON (SUMMER)
24 HOUR

POUNDS OF CO POLLUTION

COUNTY: EL PASO

VEHICLE TYPE

ROADWAY TYPE	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	TOTALS
LOCAL	20221.2	7708.2	2780.5	2072.9	34.8	11.6	918.9	227.0	33975.2
BORDER HIGHWAY	5285.6	2141.6	757.7	643.4	10.1	3.3	265.5	57.9	9165.1
FREEWAY	52879.7	22465.3	8020.2	6062.6	89.3	29.7	2357.3	651.1	92555.2
EXPRESSWAY	1760.7	724.3	254.3	221.7	3.4	1.1	90.2	19.0	3074.7
PRINCIPAL ART. DIV.	57288.2	21666.5	7928.7	6014.4	100.0	33.3	2641.1	676.6	96348.9
PRIN. ART. UNDIV.	20776.0	7976.7	2923.8	2272.3	37.0	12.3	977.0	249.6	35224.7
DIV. ARTERIAL	6140.3	2294.0	841.0	648.2	10.8	3.6	286.1	72.2	10296.3
UNDIV. ARTERIAL	19398.9	7295.2	2667.3	2064.9	34.3	11.4	905.0	227.3	32604.3
COLL. DIV.	157.7	58.1	21.8	17.7	0.3	0.1	7.7	2.0	265.4
COLL. UNDIV.	5160.8	1953.7	714.1	549.4	9.1	3.0	240.1	60.7	8690.9
COLL. DISTRIBUTOR	13.1	5.0	1.8	1.3	0.0	0.0	0.6	0.1	22.0
FRONTAGE	7028.7	2693.2	979.9	751.6	12.3	4.1	325.0	82.3	11877.1
RAMP	4435.8	1690.1	625.6	474.4	7.8	2.6	205.2	54.8	7496.2
TRANSMOUNTAIN	1111.9	471.6	167.4	138.9	2.0	0.7	52.7	13.3	1958.3
LOOP 375	6077.9	2816.9	1031.1	533.7	6.9	2.3	181.8	94.9	10745.3
INTRAZONAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS	207736.7	81960.3	29715.1	22467.4	358.1	119.3	9454.1	2488.8	354299.7

EL PASO 1999 TRIPS ON 1993 NETWORK OZONE SEASON (SUMMER)
24 HOUR

POUNDS OF NOX POLLUTION

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE								TOTALS
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	
LOCAL	3140.7	992.5	330.0	297.3	41.3	13.7	1243.6	11.5	6070.7
BORDER HIGHWAY	1288.7	410.9	137.5	125.9	17.7	5.8	530.9	5.2	2522.6
FREEWAY	12904.7	4172.0	1401.5	1156.0	179.3	59.4	5394.2	52.1	25319.3
EXPRESSWAY	469.2	149.5	50.0	46.8	6.4	2.1	193.8	1.9	919.7
PRINCIPAL ART. DIV.	7834.5	2476.5	823.1	722.7	107.5	35.6	3232.0	27.9	15259.9
PRIN. ART. UNDIV.	3190.9	1013.0	337.4	294.7	44.1	14.6	1326.3	11.8	6232.7
DIV. ARTERIAL	757.9	239.2	79.4	69.4	10.7	3.5	322.4	2.6	1485.2
UNDIV. ARTERIAL	2566.7	811.3	269.8	237.2	36.2	12.0	1087.5	9.0	5029.6
COLL. DIV.	14.7	4.6	1.5	1.3	0.2	0.1	7.1	0.0	29.6
COLL. UNDIV.	710.7	224.4	74.6	66.9	10.0	3.3	299.9	2.5	1392.4
COLL. DISTRIBUTOR	2.2	0.7	0.2	0.2	0.0	0.0	0.8	0.0	4.2
FRONTAGE	1087.0	345.1	115.0	100.2	14.8	4.9	445.6	4.0	2116.6
RAMP	601.6	190.2	63.2	55.5	8.4	2.8	251.5	2.2	1175.4
TRANSMOUNTAIN	315.1	102.5	34.5	27.1	4.3	1.4	129.1	1.3	615.3
LOOP 375	1132.9	375.0	126.6	84.4	17.1	5.7	514.5	4.5	2260.7
INTRAZONAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS	36017.5	11507.6	3844.4	3285.8	498.0	164.9	14979.1	136.7	70434.0

EL PASO 2005 TRIPS ON 2005 NETWORK OZONE SEASON (SUMMER)
24 HOUR

VEHICLE MILES OF TRAVEL

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE								TOTALS
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	
LOCAL	1113249.96	319710.96	86895.80	31151.32	16395.43	4918.63	60663.11	6558.17	1639543.39
BORDER HIGHWAY	329223.10	94548.61	25697.83	9212.43	4848.65	1454.59	17939.99	1939.46	484864.66
FREEWAY	3463380.30	994637.94	270337.49	96913.44	51007.07	15302.12	188726.17	20402.83	5100707.37
EXPRESSWAY	313008.32	89891.93	24432.17	8758.70	4609.84	1382.95	17056.42	1843.94	460984.27
PRINCIPAL ART. DIV.	2949876.02	847166.16	230255.42	82544.40	43444.42	13033.33	160744.35	17377.77	4344441.85
PRIN. ART. UNDIV.	917282.95	263431.78	71599.41	25667.71	13509.32	4052.80	49984.49	5403.73	1350932.18
DIV. ARTERIAL	233709.46	67118.33	18242.42	6539.73	3441.97	1032.59	12735.27	1376.79	344196.56
UNDIV. ARTERIAL	855776.86	245768.02	66798.49	23946.63	12603.49	3781.05	46632.91	5041.40	1260348.83
COLL. DIV.	9024.44	2591.70	704.41	252.52	132.91	39.87	491.76	53.16	13290.78
COLL. UNDIV.	204866.32	58834.95	15991.04	5732.64	3017.18	905.15	11163.55	1206.87	301717.70
COLL. DISTRIBUTOR	57.85	16.61	4.52	1.62	0.85	0.26	3.15	0.34	85.20
FRONTAGE	287139.96	82462.88	22412.99	8034.84	4228.87	1268.66	15646.80	1691.55	422886.54
RAMP	164882.24	47352.04	12870.04	4613.79	2428.31	728.49	8984.75	971.32	242830.98
TRANSMOUNTAIN	106636.10	30624.51	8323.58	2983.93	1570.49	471.15	5810.80	628.19	157048.75
LOOP 375	246044.51	70660.79	19205.24	6884.90	3623.63	1087.09	13407.43	1449.45	362363.05
INTRAZONAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS	11194158.39	3214817.21	873770.83	313238.60	164862.42	49458.73	609990.96	65944.97	16486242.11

EL PASO 2005 TRIPS ON 2005 NETWORK OZONE SEASON (SUMMER)
24 HOUR

VEHICLE HOURS

COUNTY: EL PASO

VEHICLE TYPE

ROADWAY TYPE	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	TOTALS
LOCAL	37558.172	10786.220	2931.639	1050.965	553.140	165.942	2046.616	221.256	55313.950
BORDER HIGHWAY	7517.489	2158.925	586.785	210.357	110.714	33.214	409.642	44.286	11071.412
FREEWAY	71115.214	20423.368	5550.967	1989.969	1047.352	314.206	3875.203	418.941	104735.220
EXPRESSWAY	7130.505	2047.789	556.578	199.528	105.015	31.504	388.555	42.006	10501.480
PRINCIPAL ART. DIV.	121559.310	34910.258	9488.429	3401.512	1790.270	537.081	6623.998	716.108	179026.966
PRIN. ART. UNDIV.	33543.786	9633.341	2618.293	938.633	494.017	148.205	1827.865	197.607	49401.746
DIV. ARTERIAL	10030.666	2880.677	782.953	280.681	147.727	44.318	546.590	59.091	14772.704
UNDIV. ARTERIAL	35349.808	10152.007	2759.263	989.170	520.616	156.185	1926.278	208.246	52061.574
COLL. DIV.	394.800	113.381	30.816	11.047	5.814	1.744	21.513	2.326	581.443
COLL. UNDIV.	7633.175	2192.149	595.815	213.594	112.418	33.725	415.946	44.967	11241.789
COLL. DISTRIBUTOR	2.288	0.657	0.179	0.064	0.034	0.010	0.125	0.013	3.369
FRONTAGE	10939.803	3141.770	853.917	306.121	161.116	48.335	596.131	64.447	16111.639
RAMP	6850.629	1967.412	534.732	191.697	100.893	30.268	373.304	40.357	10089.292
TRANSMOUNTAIN	3546.075	1018.387	276.792	99.227	52.225	15.667	193.232	20.890	5222.497
LOOP 375	4126.823	1185.170	322.123	115.478	60.778	18.233	224.878	24.311	6077.796
INTRAZONAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTALS	357298.544	102611.511	27889.282	9998.045	5262.129	1578.639	19469.876	2104.852	526212.877

EL PASO 2005 TRIPS ON 2005 NETWORK OZONE SEASON (SUMMER)
24 HOUR

AVERAGE OPERATIONAL SPEED WEIGHTED BY VMT

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE							
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
LOCAL	30.59	30.59	30.59	30.59	30.59	30.59	30.59	30.59
BORDER HIGHWAY	45.57	45.57	45.57	45.57	45.57	45.57	45.57	45.57
FREEWAY	50.88	50.88	50.88	50.88	50.88	50.88	50.88	50.88
EXPRESSWAY	47.17	47.17	47.17	47.17	47.17	47.17	47.17	47.17
PRINCIPAL ART. DIV.	27.39	27.39	27.39	27.39	27.39	27.39	27.39	27.39
PRIN. ART. UNDIV.	31.87	31.87	31.87	31.87	31.87	31.87	31.87	31.87
DIV. ARTERIAL	24.92	24.92	24.92	24.92	24.92	24.92	24.92	24.92
UNDIV. ARTERIAL	26.47	26.47	26.47	26.47	26.47	26.47	26.47	26.47
COLL. DIV.	24.99	24.99	24.99	24.99	24.99	24.99	24.99	24.99
COLL. UNDIV.	30.15	30.15	30.15	30.15	30.15	30.15	30.15	30.15
COLL. DISTRIBUTOR	25.29	25.29	25.29	25.29	25.29	25.29	25.29	25.29
FRONTAGE	28.69	28.69	28.69	28.69	28.69	28.69	28.69	28.69
RAMP	28.53	28.53	28.53	28.53	28.53	28.53	28.53	28.53
TRANSMOUNTAIN	37.32	37.32	37.32	37.32	37.32	37.32	37.32	37.32
LOOP 375	65.24	65.24	65.24	65.24	65.24	65.24	65.24	65.24
INTRAZONAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

EL PASO 2005 TRIPS ON 2005 NETWORK OZONE SEASON (SUMMER)
24 HOUR

POUNDS OF VOC POLLUTION

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE								TOTALS
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	
LOCAL	1652.3	577.8	253.2	126.7	14.4	5.8	204.9	71.2	2906.2
BORDER HIGHWAY	355.8	131.3	57.3	27.5	3.1	1.3	44.4	19.2	639.9
FREEWAY	3693.4	1374.0	603.3	275.4	30.9	12.4	440.9	206.3	6636.7
EXPRESSWAY	342.4	126.5	55.3	26.4	2.9	1.2	42.0	18.5	615.1
PRINCIPAL ART. DIV.	5031.9	1746.0	766.7	395.5	42.8	17.2	611.6	200.3	8812.1
PRIN. ART. UNDIV.	1426.0	500.0	219.2	111.0	12.1	4.9	173.0	60.2	2506.5
DIV. ARTERIAL	418.3	143.7	63.2	33.3	3.6	1.5	51.8	16.1	731.5
UNDIV. ARTERIAL	1481.1	511.2	224.7	117.1	12.8	5.1	182.5	58.2	2592.8
COLL. DIV.	16.3	5.6	2.5	1.3	0.1	0.1	2.0	0.6	28.5
COLL. UNDIV.	325.9	113.5	49.9	25.7	2.8	1.1	40.5	13.5	572.9
COLL. DISTRIBUTOR	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
FRONTAGE	463.6	161.3	70.8	36.1	4.0	1.6	56.7	19.0	813.1
RAMP	281.3	97.7	42.9	22.2	2.4	1.0	33.8	11.2	492.5
TRANSMOUNTAIN	159.4	56.1	24.8	12.5	1.4	0.6	19.5	7.0	281.2
LOOP 375	298.3	112.0	50.7	19.2	2.1	0.9	30.4	16.8	530.3
INTRAZONAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS	15946.1	5656.7	2484.4	1229.9	135.5	54.5	1934.2	718.3	28159.5
DIURNAL	1252.9	509.4	225.5	604.7	0.0	0.0	0.0	275.9	2868.4
ALL	17199.0	6166.1	2709.8	1834.6	135.5	54.5	1934.2	994.2	31027.9

EL PASO 2005 TRIPS ON 2005 NETWORK OZONE SEASON (SUMMER)
24 HOUR

POUNDS OF CO POLLUTION

COUNTY: EL PASO

VEHICLE TYPE

ROADWAY TYPE	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	TOTALS
LOCAL	11970.4	4918.6	2460.7	1262.3	35.1	11.6	1006.9	262.3	21927.8
BORDER HIGHWAY	2286.5	1006.4	511.9	305.8	8.0	2.6	228.4	52.0	4401.6
FREEWAY	25450.4	11406.3	5857.1	3455.8	85.3	28.1	2444.3	651.1	49378.4
EXPRESSWAY	2255.1	997.2	509.0	304.3	7.8	2.6	223.0	54.4	4353.3
PRINCIPAL ART. DIV.	37380.8	15135.1	7566.5	3980.8	110.1	36.2	3155.7	862.3	68227.6
PRIN. ART. UNDIV.	10337.7	4247.4	2131.1	1137.2	31.1	10.2	891.4	239.0	19025.1
DIV. ARTERIAL	3193.8	1278.6	636.5	337.0	9.4	3.1	268.3	71.5	5798.1
UNDIV. ARTERIAL	11194.6	4504.3	2245.2	1185.5	32.9	10.8	941.6	251.7	20366.6
COLL. DIV.	123.6	49.6	24.7	13.2	0.4	0.1	10.5	2.8	224.9
COLL. UNDIV.	2425.7	985.8	492.3	263.6	7.3	2.4	207.9	54.0	4439.0
COLL. DISTRIBUTOR	0.7	0.3	0.1	0.1	0.0	0.0	0.1	0.0	1.3
FRONTAGE	3406.5	1387.3	693.9	361.7	10.0	3.3	287.3	77.1	6227.2
RAMP	2061.9	837.8	419.7	224.6	6.2	2.0	176.9	48.5	3777.6
TRANSMOUNTAIN	1214.4	499.7	250.5	139.2	3.7	1.2	105.5	27.7	2242.0
LOOP 375	2848.0	1319.1	694.8	317.7	7.0	2.3	201.8	99.7	5490.5
INTRAZONAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS	116150.3	48573.5	24493.9	13288.9	354.1	116.5	10149.6	2754.2	215881.0

EL PASO 2005 TRIPS ON 2005 NETWORK OZONE SEASON (SUMMER)
24 HOUR

POUNDS OF NOX POLLUTION

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE								TOTALS
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	
LOCAL	2312.6	823.7	330.1	307.5	38.1	12.7	1034.6	13.7	4872.9
BORDER HIGHWAY	721.4	255.0	102.6	101.9	12.5	4.2	339.6	4.7	1541.8
FREEWAY	8546.9	3090.6	1246.4	1111.7	151.0	50.2	4101.8	56.4	18354.9
EXPRESSWAY	711.3	253.2	102.0	98.0	12.5	4.1	339.3	4.7	1525.0
PRINCIPAL ART. DIV.	6111.2	2187.2	875.3	793.5	104.9	34.8	2849.6	34.8	12991.4
PRIN. ART. UNDIV.	1955.7	699.5	280.5	255.9	33.1	11.0	900.6	11.6	4147.9
DIV. ARTERIAL	479.3	172.6	69.0	61.6	8.5	2.8	230.3	2.6	1026.7
UNDIV. ARTERIAL	1765.1	634.0	253.6	228.5	30.9	10.3	838.4	9.9	3770.6
COLL. DIV.	18.5	6.7	2.7	2.4	0.3	0.1	8.9	0.1	39.7
COLL. UNDIV.	423.4	151.4	60.6	56.4	7.4	2.5	202.0	2.4	906.1
COLL. DISTRIBUTOR	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.3
FRONTAGE	596.0	212.9	85.3	78.1	10.0	3.3	272.4	3.5	1261.6
RAMP	343.6	122.8	49.2	44.8	5.9	2.0	160.7	2.0	730.9
TRANSMOUNTAIN	246.6	89.8	36.1	31.0	4.4	1.5	120.3	1.5	531.2
LOOP 375	748.9	280.6	113.4	83.7	14.6	4.8	396.5	5.0	1647.5
INTRAZONAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS	24980.6	8980.0	3606.7	3254.8	434.1	144.2	11795.2	152.8	53348.4

EL PASO 2005 TRIPS ON 1993 NETWORK OZONE SEASON (SUMMER)
24 HOUR

VEHICLE MILES OF TRAVEL

COUNTY: EL PASO

VEHICLE TYPE

ROADWAY TYPE	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	TOTALS
LOCAL	1143286.62	328337.10	89240.34	31991.82	16837.80	5051.34	62299.86	6735.12	1683780.00
BORDER HIGHWAY	364037.58	104546.87	28415.30	10186.62	5361.38	1608.41	19837.10	2144.55	536137.82
FREEWAY	3432247.71	985697.06	267907.41	96042.28	50548.57	15164.57	187029.70	20219.43	5054856.71
EXPRESSWAY	254394.71	73058.86	19857.02	7118.56	3746.61	1123.98	13862.45	1498.64	374660.84
PRINCIPAL ART. DIV.	2734695.37	785369.07	213459.29	76523.14	40275.34	12082.60	149018.75	16110.13	4027533.68
PRIN. ART. UNDIV.	1146898.08	329374.26	89522.24	32092.88	16890.99	5067.30	62496.66	6756.40	1689098.79
DIV. ARTERIAL	254915.69	73208.48	19897.69	7133.13	3754.28	1126.28	13890.84	1501.71	375428.12
UNDIV. ARTERIAL	891103.92	255913.50	69555.98	24935.16	13123.77	3937.13	48557.95	5249.51	1312376.90
COLL. DIV.	9396.38	2698.52	733.44	262.93	138.39	41.52	512.03	55.35	13838.56
COLL. UNDIV.	266238.65	76460.29	20781.51	7449.98	3921.04	1176.31	14507.85	1568.42	392104.05
COLL. DISTRIBUTOR	70.30	20.19	5.49	1.97	1.04	0.31	3.83	0.41	103.53
FRONTAGE	362736.46	104173.21	28313.74	10150.21	5342.22	1602.66	19766.20	2136.89	534221.59
RAMP	179914.75	51669.18	14043.42	5034.43	2649.70	794.91	9803.90	1059.88	264970.17
TRANSMOUNTAIN	121837.74	34990.22	9510.16	3409.30	1794.37	538.31	6639.17	717.75	179437.02
LOOP 375	213450.22	61300.14	16661.06	5972.83	3143.60	943.08	11631.31	1257.44	314359.67
INTRAZONAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS	11375224.16	3266816.95	887904.09	318305.24	167529.07	50258.72	619857.58	67011.63	16752907.45

EL PASO 2005 TRIPS ON 1993 NETWORK OZONE SEASON (SUMMER)
24 HOUR

VEHICLE HOURS

COUNTY: EL PASO

VEHICLE TYPE

ROADWAY TYPE	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	TOTALS
LOCAL	38338.071	11010.197	2992.515	1072.788	564.625	169.388	2089.114	225.850	56462.550
BORDER HIGHWAY	8701.188	2498.868	679.180	243.479	128.147	38.444	474.144	51.259	12814.710
FREEWAY	71164.514	20437.526	5554.815	1991.349	1048.078	314.423	3877.890	419.231	104807.826
EXPRESSWAY	7620.697	2188.565	594.841	213.245	112.234	33.670	415.266	44.894	11223.413
PRINCIPAL ART. DIV.	119410.529	34293.156	9320.704	3341.384	1758.623	527.587	6506.907	703.449	175862.340
PRIN. ART. UNDIV.	50676.798	14553.720	3955.626	1418.055	746.345	223.903	2761.475	298.538	74634.460
DIV. ARTERIAL	11078.086	3181.483	864.711	309.991	163.153	48.946	603.666	65.261	16315.295
UNDIV. ARTERIAL	39834.751	11440.024	3109.340	1114.669	586.668	176.000	2170.671	234.667	58666.790
COLL. DIV.	585.244	168.075	45.682	16.377	8.619	2.586	31.891	3.448	861.921
COLL. UNDIV.	10183.923	2924.691	794.916	284.970	149.984	44.995	554.941	59.994	14998.414
COLL. DISTRIBUTOR	2.781	0.799	0.217	0.078	0.041	0.012	0.152	0.016	4.096
FRONTAGE	14087.712	4045.808	1099.630	394.207	207.477	62.243	767.666	82.991	20747.735
RAMP	9645.469	2770.054	752.886	269.903	142.054	42.616	525.600	56.822	14205.404
TRANSMOUNTAIN	5398.296	1550.321	421.369	151.057	79.504	23.851	294.163	31.801	7950.362
LOOP 375	3385.250	972.200	264.239	94.727	49.856	14.957	184.469	19.943	4985.641
INTRAZONAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTALS	390113.310	112035.487	30450.671	10916.278	5745.410	1723.623	21258.015	2298.164	574540.957

EL PASO 2005 TRIPS ON 1993 NETWORK OZONE SEASON (SUMMER)
24 HOUR

AVERAGE OPERATIONAL SPEED WEIGHTED BY VMT

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE							
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
LOCAL	30.80	30.80	30.80	30.80	30.80	30.80	30.80	30.80
BORDER HIGHWAY	44.58	44.58	44.58	44.58	44.58	44.58	44.58	44.58
FREEWAY	50.80	50.80	50.80	50.80	50.80	50.80	50.80	50.80
EXPRESSWAY	40.54	40.54	40.54	40.54	40.54	40.54	40.54	40.54
PRINCIPAL ART. DIV.	26.35	26.35	26.35	26.35	26.35	26.35	26.35	26.35
PRIN. ART. UNDIV.	29.32	29.32	29.32	29.32	29.32	29.32	29.32	29.32
DIV. ARTERIAL	24.98	24.98	24.98	24.98	24.98	24.98	24.98	24.98
UNDIV. ARTERIAL	25.43	25.43	25.43	25.43	25.43	25.43	25.43	25.43
COLL. DIV.	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35
COLL. UNDIV.	29.60	29.60	29.60	29.60	29.60	29.60	29.60	29.60
COLL. DISTRIBUTOR	25.28	25.28	25.28	25.28	25.28	25.28	25.28	25.28
FRONTAGE	28.85	28.85	28.85	28.85	28.85	28.85	28.85	28.85
RAMP	26.21	26.21	26.21	26.21	26.21	26.21	26.21	26.21
TRANSMOUNTAIN	31.55	31.55	31.55	31.55	31.55	31.55	31.55	31.55
LOOP 375	67.65	67.65	67.65	67.65	67.65	67.65	67.65	67.65
INTRAZONAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

EL PASO 2005 TRIPS ON 1993 NETWORK OZONE SEASON (SUMMER)
24 HOUR

POUNDS OF VOC POLLUTION

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE								TOTALS
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	
LOCAL	1688.4	590.8	258.9	129.4	14.7	5.9	209.4	73.0	2970.5
BORDER HIGHWAY	406.0	149.2	65.1	31.5	3.5	1.4	50.6	21.5	728.9
FREEWAY	3683.1	1369.4	601.4	275.0	30.8	12.4	439.5	204.9	6616.6
EXPRESSWAY	332.8	119.8	52.4	26.4	2.9	1.1	40.7	15.8	591.9
PRINCIPAL ART. DIV.	4866.3	1684.5	740.2	384.6	41.1	16.6	587.2	189.2	8509.7
PRIN. ART. UNDIV.	2034.7	708.0	311.0	160.8	16.7	6.7	238.9	79.7	3556.6
DIV. ARTERIAL	459.8	158.0	69.5	36.7	4.0	1.6	56.8	17.6	804.0
UNDIV. ARTERIAL	1630.4	561.0	246.8	129.5	13.8	5.6	197.6	62.2	2847.0
COLL. DIV.	22.0	7.5	3.3	1.8	0.2	0.1	2.5	0.7	38.1
COLL. UNDIV.	431.6	150.2	66.0	34.2	3.7	1.5	53.5	17.7	758.3
COLL. DISTRIBUTOR	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
FRONTAGE	593.0	206.2	90.5	46.3	5.1	2.0	72.2	24.2	1039.5
RAMP	368.7	127.0	55.8	29.5	2.9	1.2	41.5	13.3	639.9
TRANSMOUNTAIN	221.6	76.9	34.0	17.7	1.8	0.7	26.3	8.6	387.6
LOOP 375	260.1	97.9	44.4	16.4	1.8	0.7	25.9	14.8	462.0
INTRAZONAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS	16998.8	6006.5	2639.3	1319.9	143.1	57.6	2042.6	743.2	29950.9
DIURNAL	1252.9	509.4	225.5	604.7	0.0	0.0	0.0	275.9	2868.4
ALL	18251.6	6515.9	2864.8	1924.6	143.1	57.6	2042.6	1019.1	32819.3

EL PASO 2005 TRIPS ON 1993 NETWORK OZONE SEASON (SUMMER)
24 HOUR

POUNDS OF CO POLLUTION

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE								TOTALS
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	
LOCAL	12209.8	5021.5	2512.7	1289.6	35.9	11.8	1028.2	267.5	22376.9
BORDER HIGHWAY	2642.4	1154.3	586.3	347.2	9.1	3.0	260.8	60.1	5063.2
FREEWAY	25467.3	11401.4	5854.2	3449.7	85.2	28.0	2441.4	652.7	49380.0
EXPRESSWAY	2263.1	961.6	486.7	284.2	7.5	2.5	216.0	53.8	4275.3
PRINCIPAL ART. DIV.	36375.8	14671.2	7333.1	3877.1	107.0	35.2	3068.1	851.0	66318.5
PRIN. ART. UNDIV.	14926.6	6064.6	3043.7	1648.4	44.8	14.7	1283.2	366.1	27392.2
DIV. ARTERIAL	3510.7	1405.1	699.6	372.9	10.3	3.4	296.4	78.9	6377.4
UNDIV. ARTERIAL	12343.5	4950.0	2468.8	1312.7	36.2	11.9	1037.9	285.9	22446.9
COLL. DIV.	166.7	66.1	33.0	18.5	0.5	0.2	14.4	4.2	303.6
COLL. UNDIV.	3223.9	1307.5	652.8	349.8	9.6	3.2	276.0	72.2	5894.9
COLL. DISTRIBUTOR	0.9	0.4	0.2	0.1	0.0	0.0	0.1	0.0	1.6
FRONTAGE	4354.9	1772.9	887.1	466.2	12.9	4.2	369.0	99.8	7967.0
RAMP	2697.3	1086.3	545.7	300.2	8.1	2.7	231.8	70.6	4942.6
TRANSMOUNTAIN	1713.4	691.3	346.0	191.4	5.1	1.7	146.5	41.1	3136.5
LOOP 375	2558.9	1191.8	629.5	279.9	6.1	2.0	175.5	91.9	4935.7
INTRAZONAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS	124455.5	51745.8	26079.5	14187.7	378.4	124.5	10845.3	2995.6	230812.3

EL PASO 2005 TRIPS ON 1993 NETWORK OZONE SEASON (SUMMER)
24 HOUR

POUNDS OF NOX POLLUTION

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE								TOTALS
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	
LOCAL	2376.3	846.2	339.1	316.3	39.1	13.0	1062.1	14.1	5006.1
BORDER HIGHWAY	795.1	281.2	113.2	111.8	13.8	4.6	373.9	5.1	1698.7
FREEWAY	8469.0	3062.8	1235.2	1101.1	149.9	49.8	4072.7	55.8	18196.2
EXPRESSWAY	551.8	195.8	78.7	75.8	9.7	3.2	262.6	3.5	1181.1
PRINCIPAL ART. DIV.	5660.6	2029.1	811.7	729.2	98.3	32.7	2670.7	31.9	12064.2
PRIN. ART. UNDIV.	2439.4	874.6	350.3	313.4	42.7	14.2	1159.5	14.1	5208.2
DIV. ARTERIAL	523.0	188.3	75.3	67.2	9.3	3.1	252.8	2.9	1121.9
UNDIV. ARTERIAL	1838.2	661.2	264.3	235.9	32.6	10.8	885.4	10.2	3938.6
COLL. DIV.	19.5	7.0	2.8	2.4	0.4	0.1	10.2	0.1	42.5
COLL. UNDIV.	549.9	196.7	78.7	72.9	9.7	3.2	263.3	3.2	1177.7
COLL. DISTRIBUTOR	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.3
FRONTAGE	755.1	269.9	108.1	98.8	12.8	4.3	347.8	4.4	1601.1
RAMP	378.4	135.7	54.3	47.9	6.8	2.3	185.4	2.1	812.9
TRANSMOUNTAIN	273.2	99.7	39.9	33.9	5.1	1.7	138.1	1.6	593.2
LOOP 375	663.1	249.1	100.7	73.2	13.0	4.3	353.7	4.4	1461.5
INTRAZONAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS	25292.8	9097.3	3652.3	3279.8	443.1	147.2	12038.3	153.3	54104.1

EL PASO 2015 TRIPS ON 2015 NETWORK OZONE SEASON (SUMMER)
24 HOUR

VEHICLE MILES OF TRAVEL

COUNTY: EL PASO

VEHICLE TYPE

ROADWAY TYPE	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	TOTALS
LOCAL	1365438.04	392136.11	106580.58	38208.13	20109.54	6032.86	74405.31	8043.82	2010954.41
BORDER HIGHWAY	417145.85	119798.88	32560.72	11672.71	6143.53	1843.06	22731.07	2457.41	614353.24
FREEWAY	3816339.17	1096003.15	297888.04	106790.05	56205.29	16861.59	207959.57	22482.12	5620528.97
EXPRESSWAY	862690.51	247753.53	67338.14	24140.09	12705.31	3811.59	47009.64	5082.12	1270530.94
PRINCIPAL ART. DIV.	3443545.42	988941.62	268789.26	96358.41	50714.95	15214.49	187645.33	20285.98	5071495.47
PRIN. ART. UNDIV.	1042941.38	299519.25	81407.80	29183.93	15359.96	4607.99	56831.86	6143.98	1535996.14
DIV. ARTERIAL	311375.92	89423.13	24304.75	8713.02	4585.80	1375.74	16967.47	1834.32	458580.14
UNDIV. ARTERIAL	1006834.43	289149.80	78589.43	28173.57	14828.19	4448.46	54864.32	5931.28	1482819.48
COLL. DIV.	12245.53	3516.76	955.84	342.66	180.35	54.10	667.28	72.14	18034.66
COLL. UNDIV.	239544.03	68793.94	18697.84	6703.00	3527.89	1058.37	13053.21	1411.16	352789.44
COLL. DISTRIBUTOR	203.92	58.56	15.92	5.71	3.00	0.90	11.11	1.20	300.33
FRONTAGE	488976.39	140427.68	38167.52	13682.70	7201.42	2160.43	26645.25	2880.57	720141.96
RAMP	224480.50	64467.89	17522.04	6281.49	3306.05	991.81	12232.37	1322.42	330604.56
TRANSMOUNTAIN	146135.26	41968.15	11406.73	4089.20	2152.21	645.66	7963.19	860.89	215221.29
LOOP 375	307336.52	88263.06	23989.45	8599.99	4526.31	1357.89	16747.35	1810.52	452631.10
INTRAZONAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS	13685232.87	3930221.52	1068214.05	382944.66	201549.82	60464.95	745734.34	80619.93	20154982.13

EL PASO 2015 TRIPS ON 2015 NETWORK OZONE SEASON (SUMMER)
24 HOUR

VEHICLE HOURS

COUNTY: EL PASO

VEHICLE TYPE

ROADWAY TYPE	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	TOTALS
LOCAL	46099.029	13239.044	3598.304	1289.958	678.925	203.678	2512.024	271.570	67892.532
BORDER HIGHWAY	11034.564	3168.984	861.314	308.773	162.512	48.754	601.294	65.005	16251.198
FREEWAY	80549.256	23132.703	6287.350	2253.956	1186.292	355.888	4389.282	474.517	118629.244
EXPRESSWAY	22765.092	6537.839	1776.951	637.020	335.274	100.582	1240.513	134.110	33527.382
PRINCIPAL ART. DIV.	146619.696	42107.276	11444.542	4102.760	2159.348	647.804	7989.586	863.739	215934.751
PRIN. ART. UNDIV.	41122.361	11809.809	3209.846	1150.699	605.631	181.689	2240.836	242.252	60563.124
DIV. ARTERIAL	13661.036	3923.273	1066.325	382.268	201.193	60.358	744.416	80.477	20119.346
UNDIV. ARTERIAL	42667.760	12253.628	3330.473	1193.943	628.391	188.517	2325.047	251.356	62839.116
COLL. DIV.	723.385	207.747	56.464	20.242	10.654	3.196	39.419	4.261	1065.368
COLL. UNDIV.	9844.949	2827.342	768.457	275.485	144.992	43.498	536.470	57.997	14499.189
COLL. DISTRIBUTOR	8.096	2.325	0.632	0.227	0.119	0.036	0.441	0.048	11.923
FRONTAGE	18744.203	5383.092	1463.097	524.506	276.056	82.817	1021.407	110.422	27605.601
RAMP	11861.976	3406.606	925.898	331.926	174.698	52.409	646.382	69.879	17469.773
TRANSMOUNTAIN	5017.038	1440.828	391.610	140.388	73.889	22.167	273.388	29.555	7388.863
LOOP 375	6034.396	1733.000	471.021	168.856	88.872	26.662	328.826	35.549	8887.181
INTRAZONAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTALS	456752.837	131173.495	35652.283	12781.007	6726.846	2018.054	24889.330	2690.738	672684.590

EL PASO 2015 TRIPS ON 2015 NETWORK OZONE SEASON (SUMMER)
24 HOUR

AVERAGE OPERATIONAL SPEED WEIGHTED BY VMT

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE							
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
LOCAL	30.57	30.57	30.57	30.57	30.57	30.57	30.57	30.57
BORDER HIGHWAY	43.02	43.02	43.02	43.02	43.02	43.02	43.02	43.02
FREEWAY	50.45	50.45	50.45	50.45	50.45	50.45	50.45	50.45
EXPRESSWAY	45.05	45.05	45.05	45.05	45.05	45.05	45.05	45.05
PRINCIPAL ART. DIV.	27.20	27.20	27.20	27.20	27.20	27.20	27.20	27.20
PRIN. ART. UNDIV.	31.02	31.02	31.02	31.02	31.02	31.02	31.02	31.02
DIV. ARTERIAL	24.60	24.60	24.60	24.60	24.60	24.60	24.60	24.60
UNDIV. ARTERIAL	25.81	25.81	25.81	25.81	25.81	25.81	25.81	25.81
COLL. DIV.	21.64	21.64	21.64	21.64	21.64	21.64	21.64	21.64
COLL. UNDIV.	27.49	27.49	27.49	27.49	27.49	27.49	27.49	27.49
COLL. DISTRIBUTOR	25.19	25.19	25.19	25.19	25.19	25.19	25.19	25.19
FRONTAGE	29.27	29.27	29.27	29.27	29.27	29.27	29.27	29.27
RAMP	26.50	26.50	26.50	26.50	26.50	26.50	26.50	26.50
TRANSMOUNTAIN	36.11	36.11	36.11	36.11	36.11	36.11	36.11	36.11
LOOP 375	59.79	59.79	59.79	59.79	59.79	59.79	59.79	59.79
INTRAZONAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

EL PASO 2015 TRIPS ON 2015 NETWORK OZONE SEASON (SUMMER)
24 HOUR

POUNDS OF VOC POLLUTION

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE								TOTALS
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	
LOCAL	1114.5	370.9	269.1	110.3	17.2	6.9	245.6	87.4	2221.9
BORDER HIGHWAY	271.4	93.9	67.3	27.1	4.2	1.7	60.1	25.1	550.9
FREEWAY	2247.4	785.9	567.4	211.3	33.7	13.5	483.1	228.7	4571.2
EXPRESSWAY	579.7	199.7	144.0	57.1	8.7	3.5	124.6	53.7	1170.9
PRINCIPAL ART. DIV.	3300.0	1092.1	793.8	343.2	49.6	19.9	710.4	236.4	6545.3
PRIN. ART. UNDIV.	936.9	312.3	226.2	96.2	14.0	5.6	200.2	70.0	1861.3
DIV. ARTERIAL	311.7	102.2	74.7	32.9	4.8	1.9	68.3	21.6	618.2
UNDIV. ARTERIAL	979.1	321.8	235.0	102.3	14.9	6.0	213.9	69.1	1942.2
COLL. DIV.	15.1	4.9	3.6	1.7	0.2	0.1	3.1	0.9	29.6
COLL. UNDIV.	226.5	74.7	54.5	23.5	3.4	1.4	49.4	16.3	449.7
COLL. DISTRIBUTOR	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.4
FRONTAGE	435.7	144.5	105.0	44.3	6.6	2.6	94.4	32.5	865.7
RAMP	249.7	82.3	59.3	26.2	3.5	1.4	50.0	16.6	489.0
TRANSMOUNTAIN	122.5	40.9	30.0	12.6	1.9	0.7	26.8	9.6	244.9
LOOP 375	199.7	69.2	51.2	17.6	2.7	1.1	38.6	20.6	400.6
INTRAZONAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS	10990.2	3695.4	2681.1	1106.3	165.4	66.3	2368.7	888.3	21961.8
DIURNAL	978.3	385.2	163.4	367.0	0.0	0.0	0.0	261.8	2155.6
ALL	11968.5	4080.6	2844.4	1473.3	165.4	66.3	2368.7	1150.2	24117.4

EL PASO 2015 TRIPS ON 2015 NETWORK OZONE SEASON (SUMMER)
24 HOUR

POUNDS OF CO POLLUTION

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE								TOTALS
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	
LOCAL	7927.1	3005.7	2694.3	980.6	42.6	14.0	1212.7	321.9	16199.0
BORDER HIGHWAY	1655.3	658.3	590.6	271.0	11.1	3.7	316.3	76.4	3582.7
FREEWAY	13736.8	5590.1	5012.3	2458.7	94.7	31.1	2697.2	739.3	30360.2
EXPRESSWAY	3737.6	1476.1	1324.2	603.4	24.0	7.9	684.7	196.9	8054.8
PRINCIPAL ART. DIV.	24499.7	9088.3	8152.6	3042.4	130.9	43.0	3726.8	1044.4	49728.0
PRIN. ART. UNDIV.	6729.0	2519.5	2260.1	872.8	37.1	12.2	1056.4	295.4	13782.4
DIV. ARTERIAL	2407.5	887.3	795.5	290.4	12.6	4.1	358.1	97.4	4852.9
UNDIV. ARTERIAL	7474.2	2764.3	2478.5	904.8	39.1	12.9	1114.6	303.9	15092.3
COLL. DIV.	115.0	41.6	37.3	14.5	0.6	0.2	17.6	5.2	232.0
COLL. UNDIV.	1712.7	635.6	569.9	210.0	9.0	3.0	257.7	70.1	3468.0
COLL. DISTRIBUTOR	1.5	0.5	0.5	0.2	0.0	0.0	0.2	0.1	2.9
FRONTAGE	3174.8	1188.9	1066.2	395.4	17.0	5.6	484.8	133.4	6466.0
RAMP	1811.5	663.3	595.2	231.8	9.8	3.2	279.2	86.9	3680.8
TRANSMOUNTAIN	919.7	346.2	310.3	122.6	5.1	1.7	144.9	38.2	1888.5
LOOP 375	1507.1	598.0	536.0	248.0	8.8	2.9	250.7	110.4	3261.9
INTRAZONAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS	77409.4	29463.6	26423.6	10646.4	442.5	145.5	12601.8	3519.8	160652.5

EL PASO 2015 TRIPS ON 2015 NETWORK OZONE SEASON (SUMMER)
24 HOUR

POUNDS OF NOX POLLUTION

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE								TOTALS
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	
LOCAL	1790.1	686.6	352.9	340.2	43.8	14.7	982.3	16.7	4227.3
BORDER HIGHWAY	571.6	216.6	111.3	114.2	14.8	5.0	332.6	5.8	1372.1
FREEWAY	5865.4	2277.8	1170.6	1101.7	156.4	52.4	3506.5	61.9	14192.7
EXPRESSWAY	1251.2	481.4	247.4	239.8	33.5	11.2	751.5	12.8	3028.9
PRINCIPAL ART. DIV.	4520.2	1750.3	899.6	834.1	116.5	39.1	2612.5	40.7	10813.0
PRIN. ART. UNDIV.	1404.3	542.7	278.9	260.6	36.0	12.1	807.1	13.1	3354.8
DIV. ARTERIAL	402.9	157.2	80.8	73.8	10.7	3.6	239.0	3.5	971.5
UNDIV. ARTERIAL	1307.9	509.1	261.6	241.2	34.2	11.5	767.6	11.5	3144.6
COLL. DIV.	16.0	6.3	3.2	2.8	0.5	0.2	10.1	0.1	39.2
COLL. UNDIV.	311.1	120.7	62.0	58.2	8.2	2.7	183.7	2.8	749.3
COLL. DISTRIBUTOR	0.3	0.1	0.1	0.0	0.0	0.0	0.2	0.0	0.6
FRONTAGE	645.5	249.2	128.1	120.5	16.3	5.5	365.7	5.9	1536.6
RAMP	298.6	115.7	59.5	54.0	8.0	2.7	178.6	2.7	719.7
TRANSMOUNTAIN	208.4	82.0	42.2	38.0	5.6	1.9	126.1	2.0	506.2
LOOP 375	552.6	222.2	114.2	93.0	16.1	5.4	361.8	5.9	1371.2
INTRAZONAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS	19146.1	7417.9	3812.4	3572.3	500.7	167.8	11225.3	185.5	46027.9

EL PASO 2015 TRIPS ON 1993 NETWORK OZONE SEASON (SUMMER)
24 HOUR

VEHICLE MILES OF TRAVEL

COUNTY: EL PASO

VEHICLE TYPE

ROADWAY TYPE	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	TOTALS
LOCAL	1422863.83	408628.05	111063.01	39815.04	20955.28	6286.59	77534.55	8382.11	2095528.47
BORDER HIGHWAY	406848.04	116841.48	31756.92	11384.55	5991.87	1797.56	22169.92	2396.75	599187.10
FREEWAY	4185099.72	1201906.40	326672.00	117108.83	61636.23	18490.87	228054.03	24654.49	6163622.56
EXPRESSWAY	288480.80	82847.95	22517.65	8072.36	4248.61	1274.58	15719.87	1699.45	424861.26
PRINCIPAL ART. DIV.	3305569.84	949316.82	258019.44	92497.54	48682.91	14604.87	180126.78	19473.17	4868291.37
PRIN. ART. UNDIV.	1356980.85	389707.31	105920.45	37971.48	19984.99	5995.50	73944.46	7994.00	1998499.04
DIV. ARTERIAL	343765.59	98725.02	26832.96	9619.36	5062.82	1518.85	18732.44	2025.13	506282.17
UNDIV. ARTERIAL	1220737.90	350580.10	95285.87	34159.09	17978.47	5393.54	66520.33	7191.39	1797846.69
COLL. DIV.	9417.97	2704.72	735.13	263.54	138.70	41.61	513.20	55.48	13870.36
COLL. UNDIV.	390480.06	112140.81	30479.30	10926.54	5750.81	1725.24	21278.00	2300.32	575081.09
COLL. DISTRIBUTOR	431.49	123.92	33.68	12.07	6.35	1.91	23.51	2.54	635.48
FRONTAGE	567349.06	162935.30	44284.98	15875.75	8355.66	2506.70	30915.93	3342.26	835565.63
RAMP	234908.73	67462.74	18336.03	6573.29	3459.63	1037.89	12800.62	1383.85	345962.79
TRANSMOUNTAIN	158972.31	45654.79	12408.74	4448.42	2341.27	702.38	8662.70	936.51	234127.12
LOOP 375	244673.47	70267.05	19098.22	6846.53	3603.44	1081.03	13332.72	1441.38	360343.85
INTRAZONAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS	14136579.68	4059842.47	1103444.36	395574.39	208197.05	62459.11	770329.08	83278.82	20819704.98

EL PASO 2015 TRIPS ON 1993 NETWORK OZONE SEASON (SUMMER)
24 HOUR

VEHICLE HOURS

COUNTY: EL PASO

VEHICLE TYPE

ROADWAY TYPE	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	TOTALS
LOCAL	47725.772	13706.223	3725.281	1335.478	702.883	210.865	2600.668	281.153	70288.324
BORDER HIGHWAY	10509.462	3018.181	820.326	294.079	154.779	46.434	572.681	61.911	15477.852
FREEWAY	99227.109	28496.740	7745.268	2776.605	1461.371	438.411	5407.074	584.549	146137.127
EXPRESSWAY	10621.849	3050.457	829.099	297.224	156.434	46.930	578.805	62.573	15643.371
PRINCIPAL ART. DIV.	163222.475	46875.379	12740.488	4567.345	2403.866	721.160	8894.303	961.546	240386.561
PRIN. ART. UNDIV.	66604.878	19128.058	5198.908	1863.759	980.926	294.278	3629.426	392.370	98092.603
DIV. ARTERIAL	15997.595	4594.302	1248.708	447.650	235.605	70.682	871.739	94.242	23560.522
UNDIV. ARTERIAL	59380.467	17053.300	4635.000	1661.604	874.528	262.358	3235.754	349.811	87452.823
COLL. DIV.	433.132	124.390	33.809	12.120	6.379	1.914	23.602	2.552	637.896
COLL. UNDIV.	18602.950	5342.526	1452.071	520.554	273.976	82.193	1013.710	109.590	27397.569
COLL. DISTRIBUTOR	17.259	4.957	1.347	0.483	0.254	0.076	0.940	0.102	25.418
FRONTAGE	25226.447	7244.709	1969.075	705.895	371.524	111.457	1374.637	148.609	37152.352
RAMP	15713.681	4512.765	1226.546	439.705	231.424	69.427	856.268	92.570	23142.387
TRANSMOUNTAIN	7462.587	2143.158	582.499	208.821	109.906	32.972	406.651	43.962	10990.555
LOOP 375	4467.283	1282.946	348.698	125.005	65.792	19.738	243.431	26.317	6579.209
INTRAZONAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTALS	545212.944	156578.091	42557.122	15256.327	8029.646	2408.894	29709.689	3211.858	802964.571

EL PASO 2015 TRIPS ON 1993 NETWORK OZONE SEASON (SUMMER)
24 HOUR

AVERAGE OPERATIONAL SPEED WEIGHTED BY VMT

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE							
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
LOCAL	30.79	30.79	30.79	30.79	30.79	30.79	30.79	30.79
BORDER HIGHWAY	43.37	43.37	43.37	43.37	43.37	43.37	43.37	43.37
FREEWAY	48.14	48.14	48.14	48.14	48.14	48.14	48.14	48.14
EXPRESSWAY	36.22	36.22	36.22	36.22	36.22	36.22	36.22	36.22
PRINCIPAL ART. DIV.	24.86	24.86	24.86	24.86	24.86	24.86	24.86	24.86
PRIN. ART. UNDIV.	27.99	27.99	27.99	27.99	27.99	27.99	27.99	27.99
DIV. ARTERIAL	23.54	23.54	23.54	23.54	23.54	23.54	23.54	23.54
UNDIV. ARTERIAL	24.24	24.24	24.24	24.24	24.24	24.24	24.24	24.24
COLL. DIV.	23.17	23.17	23.17	23.17	23.17	23.17	23.17	23.17
COLL. UNDIV.	26.87	26.87	26.87	26.87	26.87	26.87	26.87	26.87
COLL. DISTRIBUTOR	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
FRONTAGE	27.61	27.61	27.61	27.61	27.61	27.61	27.61	27.61
RAMP	23.60	23.60	23.60	23.60	23.60	23.60	23.60	23.60
TRANSMOUNTAIN	31.22	31.22	31.22	31.22	31.22	31.22	31.22	31.22
LOOP 375	63.87	63.87	63.87	63.87	63.87	63.87	63.87	63.87
INTRAZONAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

EL PASO 2015 TRIPS ON 1993 NETWORK OZONE SEASON (SUMMER)
24 HOUR

POUNDS OF VOC POLLUTION

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE								TOTALS
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	
LOCAL	1155.1	384.7	278.9	114.2	17.8	7.1	254.6	90.9	2303.2
BORDER HIGHWAY	260.7	90.4	64.7	25.9	4.0	1.6	57.9	24.4	529.7
FREEWAY	2639.1	915.8	661.1	255.2	39.7	15.9	567.8	255.3	5349.8
EXPRESSWAY	243.3	81.7	58.9	25.8	3.7	1.5	52.5	18.9	486.2
PRINCIPAL ART. DIV.	3523.2	1161.5	843.6	373.2	51.7	20.7	739.6	238.3	6951.8
PRIN. ART. UNDIV.	1424.1	471.7	340.9	149.7	20.4	8.2	291.7	97.7	2804.3
DIV. ARTERIAL	359.1	117.6	86.0	38.4	5.5	2.2	78.3	24.3	711.4
UNDIV. ARTERIAL	1308.0	428.8	312.2	138.6	19.4	7.8	277.1	87.6	2579.3
COLL. DIV.	9.8	3.2	2.3	1.0	0.1	0.1	2.1	0.7	19.4
COLL. UNDIV.	406.1	133.9	97.4	43.0	6.0	2.4	85.5	27.8	802.1
COLL. DISTRIBUTOR	0.4	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.8
FRONTAGE	557.9	184.7	133.8	57.9	8.2	3.3	117.5	39.5	1102.8
RAMP	312.9	102.5	73.4	33.5	4.1	1.7	59.2	19.0	606.3
TRANSMOUNTAIN	165.3	54.6	39.8	17.5	2.4	1.0	34.3	11.4	326.3
LOOP 375	165.5	56.9	42.7	13.9	2.2	0.9	31.0	17.1	330.1
INTRAZONAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS	12530.6	4188.0	3035.8	1287.9	185.0	74.2	2649.1	952.9	24903.5
DIURNAL	978.3	385.2	163.4	367.0	0.0	0.0	0.0	261.8	2155.6
ALL	13508.9	4573.2	3199.2	1654.9	185.0	74.2	2649.1	1214.7	27059.1

EL PASO 2015 TRIPS ON 1993 NETWORK OZONE SEASON (SUMMER)
24 HOUR

POUNDS OF CO POLLUTION

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE								TOTALS
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	
LOCAL	8190.3	3108.4	2786.4	1016.1	44.1	14.5	1256.1	333.0	16748.7
BORDER HIGHWAY	1582.7	631.5	566.5	260.4	10.7	3.5	303.6	72.6	3431.4
FREEWAY	16614.9	6647.7	5962.2	2841.0	111.1	36.5	3163.7	871.9	36249.0
EXPRESSWAY	1665.4	630.1	565.7	243.5	10.1	3.3	288.3	76.9	3483.4
PRINCIPAL ART. DIV.	26524.2	9728.2	8728.7	3287.5	140.7	46.3	4008.2	1175.1	53638.8
PRIN. ART. UNDIV.	10404.3	3828.0	3435.2	1339.2	56.6	18.6	1612.2	485.3	21179.4
DIV. ARTERIAL	2799.5	1027.0	920.9	338.2	14.6	4.8	416.2	114.4	5635.6
UNDIV. ARTERIAL	10001.9	3664.7	3286.8	1220.9	52.4	17.2	1493.2	428.6	20165.8
COLL. DIV.	76.5	28.1	25.2	9.2	0.4	0.1	11.3	3.1	153.9
COLL. UNDIV.	3058.2	1124.3	1008.5	384.0	16.4	5.4	465.9	133.9	6196.5
COLL. DISTRIBUTOR	3.1	1.2	1.0	0.4	0.0	0.0	0.5	0.1	6.3
FRONTAGE	4087.5	1513.6	1357.9	513.7	22.0	7.2	625.8	181.1	8308.8
RAMP	2271.3	819.0	735.2	293.3	12.3	4.0	349.6	117.7	4602.4
TRANSMOUNTAIN	1258.8	462.8	415.0	164.4	6.8	2.2	194.7	56.4	2561.2
LOOP 375	1371.7	539.1	483.3	210.1	7.3	2.4	207.8	106.7	2928.3
INTRAZONAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS	89910.3	33753.5	30278.5	12121.7	505.5	166.2	14396.9	4156.9	185289.6

EL PASO 2015 TRIPS ON 1993 NETWORK OZONE SEASON (SUMMER)
24 HOUR

POUNDS OF NOX POLLUTION

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE								TOTALS
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	
LOCAL	1866.4	715.6	367.8	355.1	45.6	15.3	1023.2	17.5	4406.4
BORDER HIGHWAY	558.2	211.5	108.7	111.7	14.5	4.9	324.5	5.7	1339.6
FREEWAY	6308.8	2445.4	1256.8	1188.5	168.9	56.6	3786.2	65.7	15276.9
EXPRESSWAY	390.6	150.0	77.1	75.0	10.6	3.5	236.8	3.7	947.4
PRINCIPAL ART. DIV.	4327.0	1682.5	864.7	785.0	114.8	38.5	2574.2	37.9	10424.6
PRIN. ART. UNDIV.	1820.1	706.4	363.0	330.8	48.4	16.2	1085.0	16.4	4386.3
DIV. ARTERIAL	444.1	173.8	89.3	80.8	12.0	4.0	268.0	3.8	1075.8
UNDIV. ARTERIAL	1589.2	620.7	319.0	288.5	42.7	14.3	958.3	13.7	3846.5
COLL. DIV.	12.1	4.7	2.4	2.2	0.3	0.1	7.3	0.1	29.3
COLL. UNDIV.	510.5	198.4	102.0	94.3	13.9	4.6	311.0	4.5	1239.2
COLL. DISTRIBUTOR	0.6	0.2	0.1	0.1	0.0	0.0	0.3	0.0	1.3
FRONTAGE	747.6	289.1	148.6	137.9	19.4	6.5	434.1	6.7	1789.9
RAMP	314.9	122.7	63.1	55.2	8.8	3.0	197.9	2.7	768.3
TRANSMOUNTAIN	223.7	88.4	45.5	39.8	6.3	2.1	140.8	2.0	548.6
LOOP 375	458.4	186.3	95.7	74.7	13.9	4.6	310.9	4.9	1149.5
INTRAZONAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS	19572.3	7595.8	3903.8	3619.6	520.0	174.3	11658.3	185.5	47229.6

EL PASO 1995 BUILD CO SEASON (WINTER)
24 HOUR

VEHICLE MILES OF TRAVEL

COUNTY: EL PASO

VEHICLE TYPE

ROADWAY TYPE	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	TOTALS
LOCAL	826521.93	237353.96	63856.65	24096.85	3614.53	1204.84	43374.33	4819.37	1204842.46
BORDER HIGHWAY	304415.20	87419.52	23518.96	8875.08	1331.26	443.75	15975.14	1775.02	443753.93
FREEWAY	2770758.90	795684.41	214067.38	80780.14	12117.02	4039.01	145404.26	16156.03	4039007.15
EXPRESSWAY	123526.78	35473.43	9543.61	3601.36	540.20	180.07	6482.45	720.27	180068.19
PRINCIPAL ART. DIV.	2071682.58	594929.25	160057.11	60398.91	9059.84	3019.95	108718.04	12079.78	3019945.45
PRIN. ART. UNDIV.	795115.11	228334.80	61430.18	23181.20	3477.18	1159.06	41726.16	4636.24	1159059.92
DIV. ARTERIAL	196251.19	56357.85	15162.26	5721.61	858.24	286.08	10298.90	1144.32	286080.45
UNDIV. ARTERIAL	654559.05	187971.04	50570.89	19083.35	2862.50	954.17	34350.04	3816.67	954167.71
COLL. DIV.	5891.27	1691.81	455.16	171.76	25.76	8.59	309.16	34.35	8587.85
COLL. UNDIV.	177333.42	50925.20	13700.69	5170.07	775.51	258.50	9306.13	1034.01	258503.53
COLL. DISTRIBUTOR	566.49	162.68	43.77	16.52	2.48	0.83	29.73	3.30	825.78
FRONTAGE	240808.10	69153.35	18604.71	7020.64	1053.10	351.03	12637.16	1404.13	351032.21
RAMP	151004.75	43364.34	11666.55	4402.47	660.37	220.12	7924.45	880.49	220123.54
TRANSMOUNTAIN	60490.34	17371.13	4673.45	1763.57	264.54	88.18	3174.42	352.71	88178.34
LOOP 375	189875.15	54526.83	14669.65	5535.72	830.36	276.79	9964.29	1107.14	276785.93
INTRAZONAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS	8568800.23	2460719.60	662021.01	249819.25	37472.89	12490.96	449674.65	49963.85	12490962.44

EL PASO 1995 BUILD CO SEASON (WINTER)
24 HOUR

VEHICLE HOURS

COUNTY: EL PASO

VEHICLE TYPE

ROADWAY TYPE	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	TOTALS
LOCAL	28447.415	8169.301	2197.832	829.371	124.406	41.469	1492.867	165.874	41468.535
BORDER HIGHWAY	6542.843	1878.922	505.497	190.753	28.613	9.538	343.356	38.151	9537.673
FREEWAY	53761.509	15438.801	4153.586	1567.391	235.109	78.370	2821.304	313.478	78369.546
EXPRESSWAY	2555.946	733.996	197.471	74.517	11.178	3.726	134.131	14.903	3725.869
PRINCIPAL ART. DIV.	78077.571	22421.693	6032.232	2276.314	341.447	113.816	4097.365	455.263	113815.701
PRIN. ART. UNDIV.	27712.471	7958.246	2141.051	807.944	121.192	40.397	1454.299	161.589	40397.188
DIV. ARTERIAL	8524.104	2447.884	658.568	248.516	37.277	12.426	447.329	49.703	12425.808
UNDIV. ARTERIAL	25912.651	7441.388	2001.998	755.471	113.321	37.774	1359.848	151.094	37773.543
COLL. DIV.	315.907	90.720	24.407	9.210	1.382	0.461	16.578	1.842	460.505
COLL. UNDIV.	6633.759	1905.030	512.521	193.404	29.011	9.670	348.127	38.681	9670.202
COLL. DISTRIBUTOR	18.221	5.233	1.408	0.531	0.080	0.027	0.956	0.106	26.561
FRONTAGE	8445.462	2425.300	652.492	246.223	36.934	12.311	443.202	49.245	12311.169
RAMP	5880.492	1688.713	454.324	171.443	25.716	8.572	308.597	34.289	8572.146
TRANSMOUNTAIN	1097.508	315.174	84.793	31.997	4.800	1.600	57.595	6.399	1599.866
LOOP 375	2933.295	842.360	226.625	85.519	12.828	4.276	153.934	17.104	4275.940
INTRAZONAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTALS	256859.153	73762.760	19844.803	7488.605	1123.291	374.430	13479.489	1497.721	374430.252

EL PASO 1995 BUILD CO SEASON (WINTER)
24 HOUR

AVERAGE OPERATIONAL SPEED WEIGHTED BY VMT

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE							
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
LOCAL	30.14	30.14	30.14	30.14	30.14	30.14	30.14	30.14
BORDER HIGHWAY	47.84	47.84	47.84	47.84	47.84	47.84	47.84	47.84
FREEWAY	53.01	53.01	53.01	53.01	53.01	53.01	53.01	53.01
EXPRESSWAY	48.61	48.61	48.61	48.61	48.61	48.61	48.61	48.61
PRINCIPAL ART. DIV.	29.32	29.32	29.32	29.32	29.32	29.32	29.32	29.32
PRIN. ART. UNDIV.	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00
DIV. ARTERIAL	25.15	25.15	25.15	25.15	25.15	25.15	25.15	25.15
UNDIV. ARTERIAL	28.72	28.72	28.72	28.72	28.72	28.72	28.72	28.72
COLL. DIV.	24.27	24.27	24.27	24.27	24.27	24.27	24.27	24.27
COLL. UNDIV.	30.16	30.16	30.16	30.16	30.16	30.16	30.16	30.16
COLL. DISTRIBUTOR	31.10	31.10	31.10	31.10	31.10	31.10	31.10	31.10
FRONTAGE	32.59	32.59	32.59	32.59	32.59	32.59	32.59	32.59
RAMP	31.24	31.24	31.24	31.24	31.24	31.24	31.24	31.24
TRANSMOUNTAIN	55.82	55.82	55.82	55.82	55.82	55.82	55.82	55.82
LOOP 375	64.83	64.83	64.83	64.83	64.83	64.83	64.83	64.83
INTRAZONAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

EL PASO 1995 BUILD CO SEASON (WINTER)
24 HOUR

POUNDS OF CO POLLUTION

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE								TOTALS
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	
LOCAL	38112.8	13216.0	4124.0	2693.6	9.5	3.7	827.7	207.9	59195.2
BORDER HIGHWAY	9899.0	3565.2	1087.9	798.1	2.6	1.0	224.8	49.7	15628.2
FREEWAY	106934.8	39910.2	12407.0	7923.0	24.3	9.3	2109.2	597.5	169915.2
EXPRESSWAY	3829.8	1381.6	419.7	313.7	1.0	0.4	88.2	18.8	6053.1
PRINCIPAL ART. DIV.	102832.2	35593.0	11216.3	7419.7	26.0	10.0	2261.9	580.0	159939.1
PRIN. ART. UNDIV.	37236.8	13010.3	4107.6	2775.9	9.5	3.6	824.5	210.9	58179.1
DIV. ARTERIAL	10936.1	3753.1	1191.1	805.4	2.8	1.1	246.6	63.1	16999.3
UNDIV. ARTERIAL	33870.0	11680.8	3686.8	2501.2	8.8	3.4	760.3	192.3	52703.4
COLL. DIV.	383.3	131.3	42.6	30.4	0.1	0.0	9.1	2.4	599.2
COLL. UNDIV.	8730.7	3019.9	949.4	642.6	2.2	0.9	195.3	48.9	13589.8
COLL. DISTRIBUTOR	24.6	8.6	2.7	1.7	0.0	0.0	0.5	0.1	38.3
FRONTAGE	11464.0	3992.7	1253.8	838.2	2.9	1.1	252.2	64.1	17868.9
RAMP	7628.7	2651.0	843.1	557.6	1.9	0.7	167.8	44.2	11895.1
TRANSMOUNTAIN	2214.6	823.9	254.9	174.7	0.5	0.2	45.7	12.1	3526.7
LOOP 375	13281.4	5305.1	1711.1	719.4	1.9	0.7	169.3	90.9	21279.9
INTRAZONAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS	387378.7	138042.7	43297.8	28195.2	94.2	36.1	8183.0	2182.9	607410.6

EL PASO 1995 NO-BUILD CO SEASON (WINTER)
24 HOUR

VEHICLE MILES OF TRAVEL

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE								TOTALS
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	
LOCAL	835116.66	239822.13	64520.68	24347.42	3652.11	1217.37	43825.36	4869.48	1217371.23
BORDER HIGHWAY	308692.95	88647.97	23849.46	8999.79	1349.97	449.99	16199.63	1799.96	449989.72
FREEWAY	2777862.92	797724.48	214616.23	80987.26	12148.09	4049.36	145777.06	16197.45	4049362.86
EXPRESSWAY	115767.72	33245.25	8944.15	3375.15	506.27	168.76	6075.27	675.03	168757.61
PRINCIPAL ART. DIV.	2049992.84	588700.57	158381.37	59766.56	8964.98	2988.33	107579.80	11953.31	2988327.76
PRIN. ART. UNDIV.	816036.26	234342.77	63046.53	23791.14	3568.67	1189.56	42824.06	4758.23	1189557.23
DIV. ARTERIAL	196062.99	56303.80	15147.72	5716.12	857.42	285.81	10289.02	1143.22	285806.11
UNDIV. ARTERIAL	652526.03	187387.21	50413.82	19024.08	2853.61	951.20	34243.35	3804.82	951204.12
COLL. DIV.	3771.34	1083.02	291.37	109.95	16.49	5.50	197.91	21.99	5497.58
COLL. UNDIV.	181728.34	52187.29	14040.24	5298.20	794.73	264.91	9536.76	1059.64	264910.12
COLL. DISTRIBUTOR	600.72	172.51	46.41	17.51	2.63	0.88	31.52	3.50	875.68
FRONTAGE	255509.43	73375.16	19740.52	7449.25	1117.39	372.46	13408.66	1489.85	372462.73
RAMP	150825.63	43312.90	11652.71	4397.25	659.59	219.86	7915.05	879.45	219862.43
TRANSMOUNTAIN	58448.11	16784.66	4515.67	1704.03	255.60	85.20	3067.25	340.81	85201.33
LOOP 375	186184.71	53467.04	14384.53	5428.13	814.22	271.41	9770.63	1085.63	271406.28
INTRAZONAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS	8589126.65	2466556.78	663591.42	250411.86	37561.78	12520.59	450741.34	50082.37	12520592.79

EL PASO 1995 NO-BUILD CO SEASON (WINTER)
24 HOUR

VEHICLE HOURS

COUNTY: EL PASO

VEHICLE TYPE

ROADWAY TYPE	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	TOTALS
LOCAL	28678.052	8235.534	2215.651	836.095	125.414	41.805	1504.971	167.219	41804.741
BORDER HIGHWAY	6646.596	1908.716	513.513	193.778	29.067	9.689	348.801	38.756	9688.916
FREEWAY	53980.079	15501.568	4170.473	1573.763	236.064	78.688	2832.774	314.753	78688.161
EXPRESSWAY	2375.958	682.309	183.565	69.270	10.390	3.463	124.686	13.854	3463.496
PRINCIPAL ART. DIV.	78385.301	22510.065	6056.007	2285.286	342.793	114.264	4113.514	457.057	114264.288
PRIN. ART. UNDIV.	28663.108	8231.242	2214.497	835.659	125.349	41.783	1504.186	167.132	41782.956
DIV. ARTERIAL	8506.656	2442.874	657.220	248.007	37.201	12.400	446.413	49.601	12400.373
UNDIV. ARTERIAL	26134.769	7505.174	2019.159	761.947	114.292	38.097	1371.504	152.389	38097.331
COLL. DIV.	232.956	66.899	17.998	6.792	1.019	0.340	12.225	1.358	339.586
COLL. UNDIV.	6847.827	1966.504	529.060	199.645	29.947	9.982	359.361	39.929	9982.256
COLL. DISTRIBUTOR	19.363	5.560	1.496	0.565	0.085	0.028	1.016	0.113	28.226
FRONTAGE	8918.041	2561.012	689.003	260.001	39.000	13.000	468.002	52.000	13000.060
RAMP	5916.567	1699.072	457.111	172.495	25.874	8.625	310.490	34.499	8624.733
TRANSMOUNTAIN	1068.782	306.924	82.574	31.160	4.674	1.558	56.088	6.232	1557.992
LOOP 375	2870.064	824.202	221.740	83.675	12.551	4.184	150.616	16.735	4183.767
INTRAZONAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTALS	259244.121	74447.656	20029.065	7558.138	1133.721	377.907	13604.648	1511.628	377906.882

EL PASO 1995 NO-BUILD CO SEASON (WINTER)
24 HOUR

AVERAGE OPERATIONAL SPEED WEIGHTED BY VMT

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE							
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
LOCAL	30.22	30.22	30.22	30.22	30.22	30.22	30.22	30.22
BORDER HIGHWAY	47.80	47.80	47.80	47.80	47.80	47.80	47.80	47.80
FREEWAY	52.96	52.96	52.96	52.96	52.96	52.96	52.96	52.96
EXPRESSWAY	48.91	48.91	48.91	48.91	48.91	48.91	48.91	48.91
PRINCIPAL ART. DIV.	28.93	28.93	28.93	28.93	28.93	28.93	28.93	28.93
PRIN. ART. UNDIV.	34.77	34.77	34.77	34.77	34.77	34.77	34.77	34.77
DIV. ARTERIAL	25.13	25.13	25.13	25.13	25.13	25.13	25.13	25.13
UNDIV. ARTERIAL	28.35	28.35	28.35	28.35	28.35	28.35	28.35	28.35
COLL. DIV.	17.70	17.70	17.70	17.70	17.70	17.70	17.70	17.70
COLL. UNDIV.	30.03	30.03	30.03	30.03	30.03	30.03	30.03	30.03
COLL. DISTRIBUTOR	31.03	31.03	31.03	31.03	31.03	31.03	31.03	31.03
FRONTAGE	32.57	32.57	32.57	32.57	32.57	32.57	32.57	32.57
RAMP	31.18	31.18	31.18	31.18	31.18	31.18	31.18	31.18
TRANSMOUNTAIN	55.66	55.66	55.66	55.66	55.66	55.66	55.66	55.66
LOOP 375	64.95	64.95	64.95	64.95	64.95	64.95	64.95	64.95
INTRAZONAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

EL PASO 1995 NO-BUILD CO SEASON (WINTER)
24 HOUR

POUNDS OF CO POLLUTION

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE								TOTALS
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	
LOCAL	38433.3	13328.6	4158.7	2716.2	9.6	3.7	834.5	209.5	59693.9
BORDER HIGHWAY	10049.9	3618.8	1104.3	809.9	2.6	1.0	228.2	50.5	15865.3
FREEWAY	107200.2	40004.9	12436.4	7942.9	24.4	9.3	2115.3	599.0	170332.3
EXPRESSWAY	3571.5	1289.2	391.5	293.7	0.9	0.4	82.4	17.5	5647.1
PRINCIPAL ART. DIV.	102894.3	35593.7	11228.9	7429.3	26.1	10.0	2265.9	582.6	160030.7
PRIN. ART. UNDIV.	38426.5	13420.2	4239.2	2863.8	9.8	3.8	851.2	218.0	60032.4
DIV. ARTERIAL	10921.0	3747.6	1189.0	803.9	2.8	1.1	246.2	63.0	16974.6
UNDIV. ARTERIAL	34079.8	11748.2	3711.1	2513.9	8.8	3.4	764.7	194.1	53023.9
COLL. DIV.	279.4	95.1	31.0	22.1	0.1	0.0	6.7	1.7	436.0
COLL. UNDIV.	8996.8	3111.2	978.8	662.3	2.3	0.9	201.2	50.5	14004.1
COLL. DISTRIBUTOR	26.2	9.1	2.8	1.8	0.0	0.0	0.6	0.1	40.6
FRONTAGE	12102.5	4215.2	1323.1	881.7	3.1	1.2	265.6	67.5	18859.9
RAMP	7651.6	2658.7	846.2	558.3	1.9	0.7	168.1	44.4	11929.9
TRANSMOUNTAIN	2150.9	799.9	247.6	169.3	0.5	0.2	44.4	11.8	3424.6
LOOP 375	13111.0	5239.6	1690.5	707.8	1.9	0.7	166.3	89.8	21007.7
INTRAZONAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS	389894.8	138880.0	43579.2	28376.9	94.9	36.4	8241.0	2200.0	611303.1

EL PASO 1998 BUILD CO SEASON (WINTER)
24 HOUR

VEHICLE MILES OF TRAVEL

COUNTY: EL PASO

VEHICLE TYPE

ROADWAY TYPE	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	TOTALS
LOCAL	887648.35	254921.10	69286.25	24838.47	13072.88	3921.86	48369.64	5229.15	1307287.70
BORDER HIGHWAY	324053.28	93063.90	25294.29	9067.76	4772.51	1431.75	17658.28	1909.00	477250.78
FREEWAY	2899941.68	832825.67	226357.75	81147.12	42709.01	12812.70	158023.33	17083.60	4270900.86
EXPRESSWAY	138650.71	39818.69	10822.52	3879.77	2041.98	612.60	7555.34	816.79	204198.40
PRINCIPAL ART. DIV.	2389740.91	686302.62	186533.53	66870.51	35195.01	10558.50	130221.52	14078.00	3519500.60
PRIN. ART. UNDIV.	761914.83	218812.06	59472.00	21320.15	11221.13	3366.34	41518.19	4488.45	1122113.15
DIV. ARTERIAL	210417.50	60429.18	16424.34	5887.97	3098.93	929.68	11466.05	1239.57	309893.23
UNDIV. ARTERIAL	702290.03	201688.60	54817.93	19651.71	10343.00	3102.90	38269.12	4137.20	1034300.49
COLL. DIV.	6061.86	1740.89	473.16	169.62	89.28	26.78	330.32	35.71	8927.63
COLL. UNDIV.	179967.80	51684.42	14047.56	5035.92	2650.48	795.14	9806.79	1060.19	265048.31
COLL. DISTRIBUTOR	632.86	181.75	49.40	17.71	9.32	2.80	34.49	3.73	932.05
FRONTAGE	277970.54	79829.54	21697.26	7778.26	4093.82	1228.15	15147.14	1637.53	409382.24
RAMP	168178.62	48298.72	13127.34	4706.03	2476.86	743.06	9164.37	990.74	247685.74
TRANSMOUNTAIN	72822.68	20913.73	5684.24	2037.75	1072.50	321.75	3968.25	429.00	107249.90
LOOP 375	228281.48	65559.48	17818.73	6387.85	3362.02	1008.61	12439.49	1344.81	336202.47
INTRAZONAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS	9248573.14	2656070.34	721906.30	258796.60	136208.74	40862.62	503972.32	54483.49	13620873.55

EL PASO 1998 BUILD CO SEASON (WINTER)
24 HOUR

VEHICLE HOURS

COUNTY: EL PASO

VEHICLE TYPE

ROADWAY TYPE	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	TOTALS
LOCAL	30574.907	8780.717	2386.554	855.557	450.293	135.088	1666.085	180.117	45029.318
BORDER HIGHWAY	7148.296	2052.898	557.967	200.026	105.277	31.583	389.524	42.111	10527.682
FREEWAY	57132.026	16407.578	4459.495	1598.687	841.414	252.424	3113.233	336.566	84141.423
EXPRESSWAY	2867.823	823.602	223.851	80.248	42.236	12.671	156.273	16.894	4223.599
PRINCIPAL ART. DIV.	92192.031	26476.357	7196.138	2579.748	1357.762	407.329	5023.719	543.105	135776.187
PRIN. ART. UNDIV.	26048.780	7480.872	2033.263	728.905	383.634	115.090	1419.448	153.454	38363.447
DIV. ARTERIAL	9028.193	2592.780	704.704	252.630	132.963	39.889	491.963	53.185	13296.308
UNDIV. ARTERIAL	28244.114	8111.344	2204.622	790.336	415.966	124.790	1539.075	166.387	41596.634
COLL. DIV.	298.269	85.659	23.282	8.346	4.393	1.318	16.253	1.757	439.277
COLL. UNDIV.	6936.816	1992.164	541.460	194.108	102.162	30.649	378.000	40.865	10216.224
COLL. DISTRIBUTOR	20.445	5.872	1.596	0.572	0.301	0.090	1.114	0.120	30.111
FRONTAGE	9714.983	2790.017	758.312	271.848	143.078	42.923	529.388	57.231	14307.781
RAMP	6770.522	1944.406	528.480	189.455	99.713	29.914	368.939	39.885	9971.313
TRANSMOUNTAIN	1329.102	381.701	103.744	37.191	19.574	5.872	72.425	7.830	1957.440
LOOP 375	3610.762	1036.964	281.841	101.038	53.178	15.953	196.757	21.271	5317.764
INTRAZONAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTALS	281917.070	80962.929	22005.309	7888.696	4151.945	1245.584	15362.197	1660.778	415194.507

EL PASO 1998 BUILD CO SEASON (WINTER)
24 HOUR

AVERAGE OPERATIONAL SPEED WEIGHTED BY VMT

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE							
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
LOCAL	30.12	30.12	30.12	30.12	30.12	30.12	30.12	30.12
BORDER HIGHWAY	47.19	47.19	47.19	47.19	47.19	47.19	47.19	47.19
FREEWAY	52.58	52.58	52.58	52.58	52.58	52.58	52.58	52.58
EXPRESSWAY	48.62	48.62	48.62	48.62	48.62	48.62	48.62	48.62
PRINCIPAL ART. DIV.	29.09	29.09	29.09	29.09	29.09	29.09	29.09	29.09
PRIN. ART. UNDIV.	35.37	35.37	35.37	35.37	35.37	35.37	35.37	35.37
DIV. ARTERIAL	25.55	25.55	25.55	25.55	25.55	25.55	25.55	25.55
UNDIV. ARTERIAL	28.24	28.24	28.24	28.24	28.24	28.24	28.24	28.24
COLL. DIV.	26.21	26.21	26.21	26.21	26.21	26.21	26.21	26.21
COLL. UNDIV.	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91
COLL. DISTRIBUTOR	30.97	30.97	30.97	30.97	30.97	30.97	30.97	30.97
FRONTAGE	33.45	33.45	33.45	33.45	33.45	33.45	33.45	33.45
RAMP	30.83	30.83	30.83	30.83	30.83	30.83	30.83	30.83
TRANSMOUNTAIN	55.56	55.56	55.56	55.56	55.56	55.56	55.56	55.56
LOOP 375	63.52	63.52	63.52	63.52	63.52	63.52	63.52	63.52
INTRAZONAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

EL PASO 1998 BUILD CO SEASON (WINTER)
24 HOUR

POUNDS OF CO POLLUTION

COUNTY: EL PASO

VEHICLE TYPE

ROADWAY TYPE	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	TOTALS
LOCAL	33828.1	11931.5	3900.7	1954.9	33.1	11.0	871.0	229.2	52759.6
BORDER HIGHWAY	8391.8	3118.4	998.6	580.4	9.1	3.0	238.1	55.6	13395.0
FREEWAY	85867.6	33084.0	10697.8	5621.5	82.8	27.6	2176.7	647.6	138205.5
EXPRESSWAY	3364.3	1261.5	402.2	238.0	3.7	1.2	97.0	22.1	5390.1
PRINCIPAL ART. DIV.	99756.5	35041.4	11560.9	5899.4	99.0	33.0	2604.7	704.1	155699.1
PRIN. ART. UNDIV.	28611.1	10195.1	3352.8	1774.9	29.1	9.7	764.2	203.3	44940.1
DIV. ARTERIAL	9699.0	3371.1	1116.1	577.3	9.7	3.2	256.2	68.5	15101.2
UNDIV. ARTERIAL	30675.3	10712.5	3535.7	1843.7	30.9	10.3	812.9	215.1	47836.5
COLL. DIV.	305.4	106.1	35.5	19.6	0.3	0.1	8.5	2.3	477.8
COLL. UNDIV.	7494.8	2630.3	867.1	450.2	7.5	2.5	198.1	52.6	11703.2
COLL. DISTRIBUTOR	22.7	8.0	2.6	1.3	0.0	0.0	0.6	0.2	35.4
FRONTAGE	10850.1	3849.7	1264.8	656.5	10.8	3.6	285.0	76.3	16996.7
RAMP	7113.6	2510.5	833.9	428.4	7.1	2.4	186.9	52.2	11134.9
TRANSMOUNTAIN	1996.5	766.6	246.7	141.4	2.0	0.7	53.8	14.6	3222.3
LOOP 375	10883.5	4465.1	1475.3	564.7	7.4	2.5	195.0	103.2	17696.7
INTRAZONAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS	338860.3	123052.0	40290.8	20752.3	332.6	110.9	8748.7	2446.6	534594.3

EL PASO 1998 NO-BUILD CO SEASON (WINTER)
24 HOUR

VEHICLE MILES OF TRAVEL

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE								TOTALS
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	
LOCAL	897599.77	257779.02	70063.02	25116.93	13219.44	3965.83	48911.92	5287.77	1321943.69
BORDER HIGHWAY	336078.10	96517.28	26232.90	9404.25	4949.60	1484.88	18313.53	1979.84	494960.39
FREEWAY	2973448.75	853935.94	232095.41	83204.02	43791.59	13137.48	162028.87	17516.63	4379158.69
EXPRESSWAY	123186.50	35377.56	9615.44	3447.04	1814.23	544.27	6712.67	725.69	181423.41
PRINCIPAL ART. DIV.	2220498.90	637698.51	173323.18	62134.73	32702.49	9810.75	120999.20	13080.99	3270248.75
PRIN. ART. UNDIV.	865356.01	248519.03	67546.20	24214.67	12744.57	3823.37	47154.89	5097.83	1274456.57
DIV. ARTERIAL	219229.56	62959.89	17112.17	6134.55	3228.71	968.61	11946.24	1291.48	322871.22
UNDIV. ARTERIAL	731214.04	209995.20	57075.62	20461.07	10768.98	3230.70	39845.24	4307.59	1076898.44
COLL. DIV.	4284.23	1230.37	334.41	119.88	63.10	18.93	233.46	25.24	6309.61
COLL. UNDIV.	203285.03	58380.83	15867.61	5688.39	2993.89	898.17	11077.39	1197.56	299388.85
COLL. DISTRIBUTOR	616.25	176.98	48.10	17.24	9.08	2.72	33.58	3.63	907.58
FRONTAGE	297043.16	85306.94	23185.99	8311.96	4374.72	1312.41	16186.45	1749.89	437471.51
RAMP	168070.59	48267.69	13118.91	4703.01	2475.27	742.58	9158.49	990.11	247526.64
TRANSMOUNTAIN	67968.74	19519.74	5305.37	1901.92	1001.01	300.30	3703.75	400.40	100101.24
LOOP 375	200323.65	57530.36	15636.46	5605.52	2950.27	885.08	10916.02	1180.11	295027.47
INTRAZONAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS	9308203.27	2673195.34	726560.79	260465.19	137086.94	41126.08	507221.68	54834.78	13708694.06

EL PASO 1998 NO-BUILD CO SEASON (WINTER)
24 HOUR

VEHICLE HOURS

COUNTY: EL PASO

VEHICLE TYPE

ROADWAY TYPE	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	TOTALS
LOCAL	30834.543	8855.281	2406.820	862.822	454.117	136.235	1680.233	181.647	45411.698
BORDER HIGHWAY	7487.949	2150.442	584.479	209.530	110.279	33.084	408.033	44.112	11027.908
FREEWAY	58896.526	16914.319	4597.225	1648.062	867.401	260.220	3209.384	346.960	86740.098
EXPRESSWAY	2548.499	731.896	198.926	71.313	37.533	11.260	138.873	15.013	3753.312
PRINCIPAL ART. DIV.	87761.063	25203.840	6850.274	2455.759	1292.505	387.751	4782.267	517.002	129250.462
PRIN. ART. UNDIV.	31571.412	9066.900	2464.337	883.442	464.969	139.491	1720.386	185.988	46496.925
DIV. ARTERIAL	9594.960	2755.548	748.944	268.489	141.310	42.393	522.848	56.524	14131.017
UNDIV. ARTERIAL	29949.379	8601.074	2337.728	838.053	441.081	132.324	1631.999	176.432	44108.069
COLL. DIV.	262.497	75.386	20.489	7.345	3.866	1.160	14.304	1.546	386.593
COLL. UNDIV.	7951.319	2283.516	620.648	222.496	117.103	35.131	433.282	46.841	11710.338
COLL. DISTRIBUTOR	19.889	5.712	1.552	0.557	0.293	0.088	1.084	0.117	29.292
FRONTAGE	10508.541	3017.917	820.254	294.053	154.765	46.429	572.630	61.906	15476.496
RAMP	6966.333	2000.640	543.764	194.934	102.597	30.779	379.609	41.039	10259.695
TRANSMOUNTAIN	1246.543	357.991	97.300	34.881	18.359	5.508	67.926	7.343	1835.851
LOOP 375	3104.252	891.501	242.305	86.864	45.718	13.715	169.157	18.287	4571.799
INTRAZONAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTALS	288703.706	82911.963	22535.046	8078.601	4251.896	1275.569	15732.013	1700.758	425189.552

EL PASO 1998 NO-BUILD CO SEASON (WINTER)
24 HOUR

AVERAGE OPERATIONAL SPEED WEIGHTED BY VMT

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE							
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
LOCAL	30.21	30.21	30.21	30.21	30.21	30.21	30.21	30.21
BORDER HIGHWAY	47.01	47.01	47.01	47.01	47.01	47.01	47.01	47.01
FREEWAY	52.39	52.39	52.39	52.39	52.39	52.39	52.39	52.39
EXPRESSWAY	48.59	48.59	48.59	48.59	48.59	48.59	48.59	48.59
PRINCIPAL ART. DIV.	28.41	28.41	28.41	28.41	28.41	28.41	28.41	28.41
PRIN. ART. UNDIV.	34.17	34.17	34.17	34.17	34.17	34.17	34.17	34.17
DIV. ARTERIAL	24.91	24.91	24.91	24.91	24.91	24.91	24.91	24.91
UNDIV. ARTERIAL	27.86	27.86	27.86	27.86	27.86	27.86	27.86	27.86
COLL. DIV.	17.80	17.80	17.80	17.80	17.80	17.80	17.80	17.80
COLL. UNDIV.	29.61	29.61	29.61	29.61	29.61	29.61	29.61	29.61
COLL. DISTRIBUTOR	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00
FRONTAGE	32.79	32.79	32.79	32.79	32.79	32.79	32.79	32.79
RAMP	30.43	30.43	30.43	30.43	30.43	30.43	30.43	30.43
TRANSMOUNTAIN	55.50	55.50	55.50	55.50	55.50	55.50	55.50	55.50
LOOP 375	64.65	64.65	64.65	64.65	64.65	64.65	64.65	64.65
INTRAZONAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

EL PASO 1998 NO-BUILD CO SEASON (WINTER)
24 HOUR

POUNDS OF CO POLLUTION

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE								TOTALS
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	
LOCAL	34117.5	12036.2	3934.5	1972.1	33.4	11.1	878.6	231.1	53214.5
BORDER HIGHWAY	8767.7	3254.6	1042.9	605.7	9.5	3.2	248.7	58.2	13990.5
FREEWAY	88125.5	33929.2	10971.6	5760.7	84.9	28.3	2234.1	663.8	141798.1
EXPRESSWAY	2960.4	1108.3	353.1	211.0	3.3	1.1	86.0	19.3	4742.4
PRINCIPAL ART. DIV.	94563.7	33167.4	10957.6	5590.5	93.9	31.3	2470.5	670.7	147545.6
PRIN. ART. UNDIV.	34084.8	12104.7	3999.2	2108.8	34.6	11.5	909.3	246.5	53499.3
DIV. ARTERIAL	10289.2	3572.2	1183.9	612.5	10.3	3.4	271.9	72.9	16016.3
UNDIV. ARTERIAL	32367.8	11297.2	3733.9	1941.2	32.6	10.9	856.2	228.3	50467.9
COLL. DIV.	264.6	90.8	30.7	16.8	0.3	0.1	7.4	2.0	412.6
COLL. UNDIV.	8564.6	3004.0	991.2	514.8	8.6	2.9	226.5	60.4	13373.0
COLL. DISTRIBUTOR	22.1	7.8	2.5	1.3	0.0	0.0	0.6	0.1	34.4
FRONTAGE	11662.9	4132.3	1358.2	702.5	11.6	3.9	306.0	81.9	18259.4
RAMP	7261.8	2560.4	852.4	438.1	7.3	2.4	191.0	53.8	11367.1
TRANSMOUNTAIN	1880.4	722.2	232.5	132.4	1.9	0.6	50.4	13.8	3034.2
LOOP 375	10095.6	4160.1	1376.9	510.4	6.6	2.2	174.4	97.3	16423.6
INTRAZONAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS	345028.4	125147.3	41021.1	21118.9	338.8	113.0	8911.5	2500.0	544179.0

EL PASO 2005 TRIPS ON 2005 NETWORK CO SEASON (WINTER)
24 HOUR

VEHICLE MILES OF TRAVEL

COUNTY: EL PASO

VEHICLE TYPE

ROADWAY TYPE	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	TOTALS
LOCAL	1087888.80	312427.56	84916.21	30441.66	16021.93	4806.58	59281.13	6408.77	1602192.64
BORDER HIGHWAY	321723.04	92394.69	25112.40	9002.56	4738.19	1421.46	17531.30	1895.28	473818.91
FREEWAY	3384480.39	971978.90	264178.88	94705.64	49845.07	14953.52	184426.77	19938.03	4984507.20
EXPRESSWAY	305877.67	87844.10	23875.58	8559.17	4504.83	1351.45	16667.86	1801.93	450482.57
PRINCIPAL ART. DIV.	2882674.63	827866.79	225009.95	80663.94	42454.71	12736.41	157082.42	16981.88	4245470.74
PRIN. ART. UNDIV.	896386.17	257430.49	69968.29	25082.97	13201.56	3960.47	48845.79	5280.63	1320156.36
DIV. ARTERIAL	228385.17	65589.26	17826.83	6390.75	3363.55	1009.07	12445.14	1345.42	336355.19
UNDIV. ARTERIAL	836281.22	240169.13	65276.74	23401.09	12316.37	3694.91	45570.55	4926.55	1231636.55
COLL. DIV.	8818.86	2532.66	688.36	246.77	129.88	38.96	480.56	51.95	12988.01
COLL. UNDIV.	200199.22	57494.62	15626.74	5602.04	2948.44	884.53	10909.24	1179.38	294844.21
COLL. DISTRIBUTOR	56.54	16.24	4.41	1.58	0.83	0.25	3.08	0.33	83.27
FRONTAGE	280598.47	80584.25	21902.38	7851.80	4132.53	1239.76	15290.34	1653.01	413252.54
RAMP	161125.91	46273.27	12576.84	4508.68	2372.99	711.90	8780.06	949.20	237298.84
TRANSMOUNTAIN	104206.81	29926.84	8133.96	2915.95	1534.71	460.41	5678.43	613.88	153471.00
LOOP 375	240439.37	69051.07	18767.73	6728.05	3541.08	1062.32	13102.00	1416.43	354108.05
INTRAZONAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS	10939142.27	3141579.89	853865.30	306102.66	161106.66	48332.00	596094.64	64442.66	16110666.08

EL PASO 2005 TRIPS ON 2005 NETWORK CO SEASON (WINTER)
24 HOUR

VEHICLE HOURS

COUNTY: EL PASO

VEHICLE TYPE

ROADWAY TYPE	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	TOTALS
LOCAL	36702.549	10540.496	2864.853	1027.023	540.538	162.161	1999.992	216.215	54053.828
BORDER HIGHWAY	7269.211	2087.623	567.405	203.409	107.058	32.117	396.113	42.823	10705.759
FREEWAY	68831.017	19767.376	5372.671	1926.052	1013.712	304.113	3750.733	405.485	101371.160
EXPRESSWAY	6910.699	1984.663	539.421	193.377	101.778	30.533	376.577	40.711	10177.759
PRINCIPAL ART. DIV.	117116.338	33634.295	9141.629	3277.188	1724.836	517.451	6381.892	689.934	172483.562
PRIN. ART. UNDIV.	32363.188	9294.288	2526.140	905.597	476.630	142.989	1763.532	190.652	47663.017
DIV. ARTERIAL	9777.337	2807.924	763.179	273.593	143.996	43.199	532.786	57.598	14399.612
UNDIV. ARTERIAL	34382.350	9874.165	2683.747	962.098	506.367	151.910	1873.560	202.547	50636.745
COLL. DIV.	385.225	110.632	30.069	10.779	5.673	1.702	20.992	2.269	567.341
COLL. UNDIV.	7423.106	2131.820	579.418	207.716	109.324	32.797	404.499	43.730	10932.410
COLL. DISTRIBUTOR	2.236	0.642	0.175	0.063	0.033	0.010	0.122	0.013	3.293
FRONTAGE	10583.262	3039.376	826.087	296.144	155.865	46.760	576.702	62.346	15586.542
RAMP	6584.568	1891.003	513.965	184.252	96.974	29.092	358.806	38.790	9697.450
TRANSMOUNTAIN	3463.161	994.575	270.320	96.907	51.004	15.301	188.714	20.402	5100.384
LOOP 375	3954.032	1135.547	308.636	110.643	58.233	17.470	215.463	23.293	5823.317
INTRAZONAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTALS	345748.279	99294.425	26987.715	9674.841	5092.022	1527.607	18840.481	2036.809	509202.179

EL PASO 2005 TRIPS ON 2005 NETWORK CO SEASON (WINTER)
24 HOUR

AVERAGE OPERATIONAL SPEED WEIGHTED BY VMT

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE							
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
LOCAL	30.59	30.59	30.59	30.59	30.59	30.59	30.59	30.59
BORDER HIGHWAY	45.80	45.80	45.80	45.80	45.80	45.80	45.80	45.80
FREEWAY	51.13	51.13	51.13	51.13	51.13	51.13	51.13	51.13
EXPRESSWAY	47.38	47.38	47.38	47.38	47.38	47.38	47.38	47.38
PRINCIPAL ART. DIV.	27.57	27.57	27.57	27.57	27.57	27.57	27.57	27.57
PRIN. ART. UNDIV.	32.04	32.04	32.04	32.04	32.04	32.04	32.04	32.04
DIV. ARTERIAL	24.97	24.97	24.97	24.97	24.97	24.97	24.97	24.97
UNDIV. ARTERIAL	26.54	26.54	26.54	26.54	26.54	26.54	26.54	26.54
COLL. DIV.	25.02	25.02	25.02	25.02	25.02	25.02	25.02	25.02
COLL. UNDIV.	30.21	30.21	30.21	30.21	30.21	30.21	30.21	30.21
COLL. DISTRIBUTOR	25.29	25.29	25.29	25.29	25.29	25.29	25.29	25.29
FRONTAGE	28.81	28.81	28.81	28.81	28.81	28.81	28.81	28.81
RAMP	28.71	28.71	28.71	28.71	28.71	28.71	28.71	28.71
TRANSMOUNTAIN	37.34	37.34	37.34	37.34	37.34	37.34	37.34	37.34
LOOP 375	65.82	65.82	65.82	65.82	65.82	65.82	65.82	65.82
INTRAZONAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

EL PASO 2005 TRIPS ON 2005 NETWORK CO SEASON (WINTER)
24 HOUR

POUNDS OF CO POLLUTION

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE								TOTALS
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	
LOCAL	22336.2	9216.4	4067.6	1393.5	34.6	11.3	987.6	274.6	38321.8
BORDER HIGHWAY	4219.1	1847.9	831.0	336.3	7.8	2.5	222.3	54.3	7521.1
FREEWAY	47112.5	20872.1	9498.6	3810.8	83.7	27.3	2385.9	685.0	84475.8
EXPRESSWAY	4171.4	1830.6	827.1	335.0	7.6	2.5	217.6	57.0	7448.9
PRINCIPAL ART. DIV.	69027.9	28118.3	12392.9	4340.5	107.4	35.0	3061.3	893.5	117976.7
PRIN. ART. UNDIV.	19109.8	7880.7	3487.7	1242.9	30.4	9.9	865.8	248.5	32875.7
DIV. ARTERIAL	5949.0	2400.5	1053.2	370.9	9.2	3.0	262.5	74.6	10123.0
UNDIV. ARTERIAL	20816.7	8435.8	3706.9	1302.2	32.3	10.5	919.8	262.1	35486.2
COLL. DIV.	230.4	93.0	40.9	14.6	0.4	0.1	10.3	2.9	392.6
COLL. UNDIV.	4510.5	1843.9	811.9	289.7	7.1	2.3	203.2	56.2	7724.8
COLL. DISTRIBUTOR	1.4	0.6	0.2	0.1	0.0	0.0	0.1	0.0	2.4
FRONTAGE	6307.9	2582.7	1139.2	395.7	9.8	3.2	279.6	80.0	10798.1
RAMP	3800.9	1552.0	685.6	244.4	6.0	2.0	171.4	50.0	6512.3
TRANSMOUNTAIN	2267.0	935.7	414.0	153.7	3.6	1.2	103.5	29.2	3907.8
LOOP 375	5280.2	2376.4	1117.0	349.9	6.9	2.3	196.7	104.3	9433.6
INTRAZONAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS	215140.9	89986.5	40073.8	14580.1	346.7	113.1	9887.4	2872.2	373000.8

EL PASO 2005 TRIPS ON 1993 NETWORK CO SEASON (WINTER)
24 HOUR

VEHICLE MILES OF TRAVEL

COUNTY: EL PASO

VEHICLE TYPE

ROADWAY TYPE	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	TOTALS
LOCAL	1117241.52	320857.29	87207.36	31263.02	16454.22	4936.27	60880.61	6581.69	1645421.98
BORDER HIGHWAY	355744.40	102165.18	27767.97	9954.56	5239.24	1571.77	19385.19	2095.70	523924.01
FREEWAY	3354057.07	963241.72	261804.16	93854.32	49397.01	14819.10	182768.94	19758.80	4939701.13
EXPRESSWAY	248599.31	71394.50	19404.66	6956.39	3661.26	1098.38	13546.65	1464.50	366125.64
PRINCIPAL ART. DIV.	2672395.83	767477.45	208596.43	74779.85	39357.82	11807.35	145623.93	15743.13	3935781.78
PRIN. ART. UNDIV.	1120770.25	321870.69	87482.80	31361.76	16506.19	4951.86	61072.90	6602.48	1650618.93
DIV. ARTERIAL	249108.43	71540.71	19444.40	6970.63	3668.75	1100.63	13574.39	1467.50	366875.45
UNDIV. ARTERIAL	870803.66	250083.52	67971.42	24367.11	12824.80	3847.44	47451.75	5129.92	1282479.61
COLL. DIV.	9182.33	2637.05	716.74	256.94	135.23	40.57	500.36	54.09	13523.32
COLL. UNDIV.	260173.41	74718.43	20308.09	7280.26	3831.71	1149.51	14177.34	1532.69	383171.44
COLL. DISTRIBUTOR	68.70	19.73	5.36	1.92	1.01	0.30	3.74	0.40	101.18
FRONTAGE	354472.88	101800.02	27668.72	9918.98	5220.51	1566.15	19315.90	2088.21	522051.37
RAMP	175816.26	50492.15	13723.51	4919.75	2589.34	776.80	9580.56	1035.74	258934.11
TRANSMOUNTAIN	119062.11	34193.09	9293.51	3331.63	1753.49	526.05	6487.92	701.40	175349.20
LOOP 375	208587.54	59903.64	16281.50	5836.76	3071.98	921.59	11366.33	1228.79	307198.15
INTRAZONAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS	11116083.71	3192395.17	867676.64	311053.89	163712.57	49113.77	605736.52	65485.03	16371257.30

EL PASO 2005 TRIPS ON 1993 NETWORK CO SEASON (WINTER)
24 HOUR

VEHICLE HOURS

COUNTY: EL PASO

VEHICLE TYPE

ROADWAY TYPE	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	TOTALS
LOCAL	37464.698	10759.376	2924.343	1048.349	551.763	165.529	2041.523	220.705	55176.285
BORDER HIGHWAY	8377.866	2406.015	653.942	234.432	123.385	37.016	456.526	49.354	12338.536
FREEWAY	68826.089	19765.961	5372.287	1925.914	1013.639	304.092	3750.464	405.456	101363.901
EXPRESSWAY	7333.560	2106.103	572.428	205.210	108.005	32.402	399.620	43.202	10800.530
PRINCIPAL ART. DIV.	114895.465	32996.489	8968.276	3215.042	1692.128	507.638	6260.872	676.851	169212.762
PRIN. ART. UNDIV.	48674.561	13978.703	3799.340	1362.027	716.857	215.057	2652.369	286.743	71685.657
DIV. ARTERIAL	10788.788	3098.400	842.129	301.895	158.892	47.668	587.902	63.557	15889.231
UNDIV. ARTERIAL	38637.121	11096.080	3015.858	1081.157	569.030	170.709	2105.410	227.612	56902.976
COLL. DIV.	564.566	162.136	44.068	15.798	8.315	2.494	30.764	3.326	831.466
COLL. UNDIV.	9885.938	2839.113	771.656	276.632	145.596	43.679	538.704	58.238	14559.556
COLL. DISTRIBUTOR	2.718	0.780	0.212	0.076	0.040	0.012	0.148	0.016	4.002
FRONTAGE	13594.973	3904.300	1061.169	380.419	200.221	60.066	740.816	80.088	20022.051
RAMP	9209.914	2644.968	718.889	257.715	135.639	40.692	501.866	54.256	13563.938
TRANSMOUNTAIN	5234.613	1503.313	408.593	146.477	77.093	23.128	285.244	30.837	7709.297
LOOP 375	3250.630	933.539	253.731	90.960	47.874	14.362	177.133	19.150	4787.378
INTRAZONAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTALS	376741.499	108195.276	29406.921	10542.104	5548.476	1664.543	20529.360	2219.390	554847.568

EL PASO 2005 TRIPS ON 1993 NETWORK CO SEASON (WINTER)
24 HOUR

AVERAGE OPERATIONAL SPEED WEIGHTED BY VMT

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE							
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
LOCAL	30.80	30.80	30.80	30.80	30.80	30.80	30.80	30.80
BORDER HIGHWAY	44.85	44.85	44.85	44.85	44.85	44.85	44.85	44.85
FREEWAY	51.05	51.05	51.05	51.05	51.05	51.05	51.05	51.05
EXPRESSWAY	40.94	40.94	40.94	40.94	40.94	40.94	40.94	40.94
PRINCIPAL ART. DIV.	26.54	26.54	26.54	26.54	26.54	26.54	26.54	26.54
PRIN. ART. UNDIV.	29.53	29.53	29.53	29.53	29.53	29.53	29.53	29.53
DIV. ARTERIAL	25.04	25.04	25.04	25.04	25.04	25.04	25.04	25.04
UNDIV. ARTERIAL	25.51	25.51	25.51	25.51	25.51	25.51	25.51	25.51
COLL. DIV.	20.40	20.40	20.40	20.40	20.40	20.40	20.40	20.40
COLL. UNDIV.	29.69	29.69	29.69	29.69	29.69	29.69	29.69	29.69
COLL. DISTRIBUTOR	25.28	25.28	25.28	25.28	25.28	25.28	25.28	25.28
FRONTAGE	28.99	28.99	28.99	28.99	28.99	28.99	28.99	28.99
RAMP	26.43	26.43	26.43	26.43	26.43	26.43	26.43	26.43
TRANSMOUNTAIN	31.62	31.62	31.62	31.62	31.62	31.62	31.62	31.62
LOOP 375	68.23	68.23	68.23	68.23	68.23	68.23	68.23	68.23
INTRAZONAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

EL PASO 2005 TRIPS ON 1993 NETWORK CO SEASON (WINTER)
24 HOUR

POUNDS OF CO POLLUTION

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE								TOTALS
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	
LOCAL	22782.3	9407.4	4153.0	1423.6	35.4	11.5	1008.5	280.1	39101.8
BORDER HIGHWAY	4864.0	2117.2	950.3	380.7	8.9	2.9	253.0	62.6	8639.6
FREEWAY	47141.2	20864.5	9493.5	3803.0	83.5	27.3	2381.8	687.6	84482.4
EXPRESSWAY	4160.8	1766.6	789.6	310.8	7.3	2.4	209.2	56.0	7302.8
PRINCIPAL ART. DIV.	67103.3	27235.7	12000.7	4220.5	104.3	34.0	2973.1	880.5	114552.0
PRIN. ART. UNDIV.	27480.5	11209.5	4962.7	1791.6	43.6	14.2	1242.7	377.3	47122.1
DIV. ARTERIAL	6535.2	2636.1	1156.9	410.1	10.2	3.3	289.7	82.3	11123.8
UNDIV. ARTERIAL	22907.8	9250.4	4067.5	1437.8	35.5	11.6	1012.4	295.7	39018.8
COLL. DIV.	308.5	123.0	54.2	20.2	0.5	0.2	14.0	4.4	525.1
COLL. UNDIV.	5988.7	2443.8	1075.7	383.9	9.4	3.1	269.3	75.0	10248.9
COLL. DISTRIBUTOR	1.7	0.7	0.3	0.1	0.0	0.0	0.1	0.0	2.9
FRONTAGE	8049.2	3293.9	1453.6	508.8	12.6	4.1	358.5	103.0	13783.7
RAMP	4934.1	1993.4	884.3	323.7	7.9	2.6	223.9	70.8	8440.6
TRANSMOUNTAIN	3186.0	1291.7	570.0	210.1	5.0	1.6	143.0	43.1	5450.5
LOOP 375	4762.3	2150.5	1014.6	308.9	6.0	2.0	171.5	96.6	8512.4
INTRAZONAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS	230205.5	95784.5	42626.8	15534.0	370.0	120.7	10550.9	3115.0	398307.4

EL PASO 2015 TRIPS ON 2015 NETWORK CO SEASON (WINTER)
24 HOUR

VEHICLE MILES OF TRAVEL

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE								TOTALS
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	
LOCAL	1334331.86	383202.82	104152.56	37337.71	19651.43	5895.43	72710.28	7860.57	1965142.65
BORDER HIGHWAY	407642.76	117069.72	31818.95	11406.79	6003.58	1801.07	22213.23	2401.43	600357.52
FREEWAY	3729398.88	1071035.02	291101.83	104357.26	54924.87	16477.46	203222.03	21969.95	5492487.30
EXPRESSWAY	843037.40	242109.41	65804.10	23590.15	12415.87	3724.76	45938.71	4966.35	1241586.74
PRINCIPAL ART. DIV.	3365097.53	966412.40	262665.93	94163.26	49559.61	14867.88	183370.56	19823.84	4955961.01
PRIN. ART. UNDIV.	1019181.97	292695.85	79553.23	28519.08	15010.04	4503.01	55537.16	6004.02	1501004.37
DIV. ARTERIAL	304282.46	87385.98	23751.06	8514.53	4481.33	1344.40	16580.93	1792.53	448133.23
UNDIV. ARTERIAL	983897.93	282562.73	76799.10	27531.75	14490.40	4347.12	53614.47	5796.16	1449039.66
COLL. DIV.	11966.60	3436.65	934.06	334.85	176.24	52.87	652.08	70.50	17623.86
COLL. UNDIV.	234086.46	67226.60	18271.84	6550.28	3447.52	1034.26	12755.82	1379.01	344751.78
COLL. DISTRIBUTOR	199.27	57.23	15.55	5.58	2.93	0.88	10.86	1.17	293.47
FRONTAGE	477837.01	137228.60	37298.03	13370.99	7037.36	2111.21	26038.25	2814.95	703736.39
RAMP	219366.54	62999.23	17122.87	6138.39	3230.73	969.22	11953.70	1292.29	323072.96
TRANSMOUNTAIN	142806.10	41012.06	11146.87	3996.05	2103.18	630.95	7781.78	841.27	210318.26
LOOP 375	300335.10	86252.35	23442.95	8404.08	4423.20	1326.96	16365.83	1769.28	442319.74
INTRAZONAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS	13373467.85	3840686.64	1043878.93	374220.75	196958.29	59087.49	728745.67	78783.32	19695828.94

EL PASO 2015 TRIPS ON 2015 NETWORK CO SEASON (WINTER)
24 HOUR

VEHICLE HOURS

COUNTY: EL PASO

VEHICLE TYPE

ROADWAY TYPE	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	TOTALS
LOCAL	45048.846	12937.445	3516.331	1260.572	663.459	199.038	2454.797	265.383	66345.871
BORDER HIGHWAY	10574.849	3036.960	825.430	295.909	155.742	46.722	576.244	62.297	15574.152
FREEWAY	77741.730	22326.417	6068.206	2175.394	1144.944	343.483	4236.295	457.978	114494.447
EXPRESSWAY	21941.218	6301.233	1712.643	613.966	323.140	96.942	1195.619	129.256	32314.018
PRINCIPAL ART. DIV.	141077.184	40515.539	11011.916	3947.668	2077.720	623.316	7687.564	831.088	207771.995
PRIN. ART. UNDIV.	39611.162	11375.812	3091.887	1108.412	583.375	175.012	2158.487	233.350	58337.499
DIV. ARTERIAL	13296.743	3818.652	1037.890	372.074	195.828	58.748	724.565	78.331	19582.833
UNDIV. ARTERIAL	41472.714	11910.426	3237.193	1160.503	610.791	183.237	2259.927	244.316	61079.107
COLL. DIV.	702.898	201.863	54.865	19.669	10.352	3.106	38.302	4.141	1035.196
COLL. UNDIV.	9557.857	2744.893	746.048	267.451	140.764	42.229	520.826	56.305	14076.373
COLL. DISTRIBUTOR	7.910	2.272	0.617	0.221	0.116	0.035	0.431	0.047	11.649
FRONTAGE	18139.750	5209.501	1415.916	507.592	267.154	80.146	988.469	106.862	26715.390
RAMP	11376.843	3267.282	888.030	318.351	167.553	50.266	619.946	67.021	16755.291
TRANSMOUNTAIN	4897.227	1406.420	382.258	137.036	72.124	21.637	266.859	28.850	7212.411
LOOP 375	5843.341	1678.132	456.108	163.510	86.058	25.817	318.415	34.423	8605.804
INTRAZONAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTALS	441290.273	126732.847	34445.338	12348.329	6499.120	1949.736	24046.745	2599.648	649912.036

EL PASO 2015 TRIPS ON 2015 NETWORK CO SEASON (WINTER)
24 HOUR

AVERAGE OPERATIONAL SPEED WEIGHTED BY VMT

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE							
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
LOCAL	30.57	30.57	30.57	30.57	30.57	30.57	30.57	30.57
BORDER HIGHWAY	43.36	43.36	43.36	43.36	43.36	43.36	43.36	43.36
FREEWAY	50.73	50.73	50.73	50.73	50.73	50.73	50.73	50.73
EXPRESSWAY	45.33	45.33	45.33	45.33	45.33	45.33	45.33	45.33
PRINCIPAL ART. DIV.	27.38	27.38	27.38	27.38	27.38	27.38	27.38	27.38
PRIN. ART. UNDIV.	31.21	31.21	31.21	31.21	31.21	31.21	31.21	31.21
DIV. ARTERIAL	24.67	24.67	24.67	24.67	24.67	24.67	24.67	24.67
UNDIV. ARTERIAL	25.88	25.88	25.88	25.88	25.88	25.88	25.88	25.88
COLL. DIV.	21.71	21.71	21.71	21.71	21.71	21.71	21.71	21.71
COLL. UNDIV.	27.57	27.57	27.57	27.57	27.57	27.57	27.57	27.57
COLL. DISTRIBUTOR	25.19	25.19	25.19	25.19	25.19	25.19	25.19	25.19
FRONTAGE	29.38	29.38	29.38	29.38	29.38	29.38	29.38	29.38
RAMP	26.71	26.71	26.71	26.71	26.71	26.71	26.71	26.71
TRANSMOUNTAIN	36.15	36.15	36.15	36.15	36.15	36.15	36.15	36.15
LOOP 375	60.17	60.17	60.17	60.17	60.17	60.17	60.17	60.17
INTRAZONAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

EL PASO 2015 TRIPS ON 2015 NETWORK CO SEASON (WINTER)
24 HOUR

POUNDS OF CO POLLUTION

COUNTY: EL PASO

VEHICLE TYPE

ROADWAY TYPE	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	TOTALS
LOCAL	15059.6	6421.6	4637.0	1227.8	41.6	13.7	1185.1	337.1	28923.5
BORDER HIGHWAY	3097.6	1392.1	1001.1	334.3	10.7	3.5	304.8	79.7	6223.8
FREEWAY	25876.8	11879.5	8553.3	3061.5	91.8	30.2	2617.9	777.0	52888.0
EXPRESSWAY	7014.8	3124.4	2253.1	747.7	23.2	7.6	662.5	205.4	14038.8
PRINCIPAL ART. DIV.	46011.6	19227.0	13877.6	3754.8	126.2	41.5	3598.3	1082.0	87719.0
PRIN. ART. UNDIV.	12640.0	5331.9	3848.2	1078.4	35.8	11.8	1020.8	306.6	24273.4
DIV. ARTERIAL	4557.4	1889.5	1364.6	362.1	12.2	4.0	348.7	101.5	8640.1
UNDIV. ARTERIAL	14137.4	5882.8	4248.6	1127.0	38.0	12.5	1084.4	316.3	26847.1
COLL. DIV.	217.6	88.7	64.0	18.0	0.6	0.2	17.1	5.4	411.6
COLL. UNDIV.	3237.4	1351.9	976.4	261.4	8.8	2.9	250.5	72.8	6162.1
COLL. DISTRIBUTOR	2.8	1.2	0.8	0.2	0.0	0.0	0.2	0.1	5.3
FRONTAGE	5984.1	2522.4	1821.8	490.8	16.5	5.4	470.2	138.4	11449.7
RAMP	3381.7	1393.1	1009.3	285.9	9.4	3.1	269.2	87.7	6439.6
TRANSMOUNTAIN	1747.2	739.8	534.0	153.4	5.0	1.6	141.5	40.2	3362.7
LOOP 375	2880.8	1287.5	926.4	311.3	8.6	2.8	245.2	118.8	5781.4
INTRAZONAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS	145846.9	62533.4	45116.3	13214.7	428.6	140.9	12216.3	3669.0	283166.0

EL PASO 2015 TRIPS ON 1993 NETWORK CO SEASON (WINTER)
24 HOUR

VEHICLE MILES OF TRAVEL

COUNTY: EL PASO

VEHICLE TYPE

ROADWAY TYPE	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	TOTALS
LOCAL	1390449.88	399319.18	108532.91	38908.02	20477.91	6143.37	75768.26	8191.16	2047790.69
BORDER HIGHWAY	397579.60	114179.71	31033.46	11125.20	5855.37	1756.61	21664.87	2342.15	585536.97
FREEWAY	4089758.46	1174525.63	319230.04	114440.96	60232.08	18069.63	222858.71	24092.83	6023208.34
EXPRESSWAY	281908.92	80960.59	22004.67	7888.47	4151.82	1245.55	15361.75	1660.73	415182.50
PRINCIPAL ART. DIV.	3230265.32	927690.34	252141.48	90390.34	47573.86	14272.16	176023.29	19029.55	4757386.34
PRIN. ART. UNDIV.	1326067.23	380829.32	103507.46	37106.45	19529.71	5858.91	72259.92	7811.88	1952970.88
DIV. ARTERIAL	335934.16	96475.94	26221.67	9400.22	4947.48	1484.25	18305.69	1978.99	494748.40
UNDIV. ARTERIAL	1192928.07	342593.48	93115.15	33380.90	17568.90	5270.67	65004.92	7027.56	1756889.64
COLL. DIV.	9203.40	2643.10	718.38	257.53	135.54	40.66	501.51	54.22	13554.35
COLL. UNDIV.	381584.31	109586.07	29784.93	10677.62	5619.80	1685.94	20793.25	2247.92	561979.84
COLL. DISTRIBUTOR	421.66	121.09	32.91	11.80	6.21	1.86	22.98	2.48	621.00
FRONTAGE	554424.20	159223.45	43276.12	15514.08	8165.30	2449.59	30211.63	3266.12	816530.49
RAMP	229557.06	65925.81	17918.30	6423.54	3380.81	1014.24	12509.00	1352.32	338081.09
TRANSMOUNTAIN	155350.75	44614.72	12126.05	4347.08	2287.93	686.38	8465.36	915.17	228793.45
LOOP 375	239099.54	68666.29	18663.14	6690.56	3521.35	1056.40	13028.99	1408.54	352134.81
INTRAZONAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS	13814532.57	3967354.71	1078306.67	386562.77	203454.09	61036.23	752780.13	81381.64	20345408.79

EL PASO 2015 TRIPS ON 1993 NETWORK CO SEASON (WINTER)
24 HOUR

VEHICLE HOURS

COUNTY: EL PASO

VEHICLE TYPE

ROADWAY TYPE	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	TOTALS
LOCAL	46638.545	13393.986	3640.417	1305.055	686.871	206.061	2541.423	274.748	68687.106
BORDER HIGHWAY	10033.153	2881.392	783.147	280.751	147.764	44.329	546.726	59.105	14776.367
FREEWAY	95203.140	27341.108	7431.173	2664.005	1402.108	420.632	5187.800	560.843	140210.809
EXPRESSWAY	10087.021	2896.862	787.352	282.258	148.557	44.567	549.661	59.423	14855.702
PRINCIPAL ART. DIV.	156554.199	44960.337	12219.989	4380.751	2305.658	691.697	8530.936	922.263	230565.831
PRIN. ART. UNDIV.	64008.517	18382.416	4996.247	1791.107	942.688	282.806	3487.946	377.075	94268.802
DIV. ARTERIAL	15515.283	4455.788	1211.060	434.154	228.502	68.551	845.457	91.401	22850.196
UNDIV. ARTERIAL	57470.883	16504.893	4485.945	1608.169	846.405	253.921	3131.698	338.562	84640.476
COLL. DIV.	421.820	121.141	32.926	11.804	6.212	1.864	22.986	2.485	621.237
COLL. UNDIV.	17953.845	5156.112	1401.405	502.390	264.416	79.325	978.339	105.766	26441.598
COLL. DISTRIBUTOR	16.859	4.842	1.316	0.472	0.248	0.074	0.919	0.099	24.829
FRONTAGE	24283.215	6973.825	1895.450	679.501	357.632	107.290	1323.239	143.053	35763.203
RAMP	15092.527	4334.378	1178.062	422.324	222.276	66.683	822.420	88.910	22227.581
TRANSMOUNTAIN	7243.811	2080.329	565.423	202.699	106.684	32.005	394.729	42.673	10668.352
LOOP 375	4236.675	1216.718	330.698	118.552	62.396	18.719	230.864	24.958	6239.581
INTRAZONAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTALS	524759.494	150704.126	40960.609	14683.992	7728.417	2318.525	28595.142	3091.367	772841.670

EL PASO 2015 TRIPS ON 1993 NETWORK CO SEASON (WINTER)
24 HOUR

AVERAGE OPERATIONAL SPEED WEIGHTED BY VMT

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE							
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC
LOCAL	30.79	30.79	30.79	30.79	30.79	30.79	30.79	30.79
BORDER HIGHWAY	43.71	43.71	43.71	43.71	43.71	43.71	43.71	43.71
FREEWAY	48.49	48.49	48.49	48.49	48.49	48.49	48.49	48.49
EXPRESSWAY	36.74	36.74	36.74	36.74	36.74	36.74	36.74	36.74
PRINCIPAL ART. DIV.	25.08	25.08	25.08	25.08	25.08	25.08	25.08	25.08
PRIN. ART. UNDIV.	28.23	28.23	28.23	28.23	28.23	28.23	28.23	28.23
DIV. ARTERIAL	23.64	23.64	23.64	23.64	23.64	23.64	23.64	23.64
UNDIV. ARTERIAL	24.35	24.35	24.35	24.35	24.35	24.35	24.35	24.35
COLL. DIV.	23.23	23.23	23.23	23.23	23.23	23.23	23.23	23.23
COLL. UNDIV.	27.01	27.01	27.01	27.01	27.01	27.01	27.01	27.01
COLL. DISTRIBUTOR	25.01	25.01	25.01	25.01	25.01	25.01	25.01	25.01
FRONTAGE	27.81	27.81	27.81	27.81	27.81	27.81	27.81	27.81
RAMP	23.83	23.83	23.83	23.83	23.83	23.83	23.83	23.83
TRANSMOUNTAIN	31.30	31.30	31.30	31.30	31.30	31.30	31.30	31.30
LOOP 375	64.57	64.57	64.57	64.57	64.57	64.57	64.57	64.57
INTRAZONAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

EL PASO 2015 TRIPS ON 1993 NETWORK CO SEASON (WINTER)
24 HOUR

POUNDS OF CO POLLUTION

COUNTY: EL PASO

ROADWAY TYPE	VEHICLE TYPE								TOTALS
	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	
LOCAL	15559.6	6641.0	4795.4	1272.2	43.1	14.2	1227.5	348.7	29901.6
BORDER HIGHWAY	2957.6	1333.9	959.2	320.4	10.2	3.4	291.8	75.5	5951.9
FREEWAY	31154.5	14075.9	10130.1	3518.6	107.2	35.2	3056.7	912.3	62990.6
EXPRESSWAY	3064.1	1305.7	948.8	297.0	9.6	3.2	274.7	76.8	5979.8
PRINCIPAL ART. DIV.	49651.6	20510.5	14817.2	4045.8	135.4	44.5	3860.5	1209.7	94275.4
PRIN. ART. UNDIV.	19474.1	8068.0	5832.7	1651.2	54.5	17.9	1554.7	498.3	37151.4
DIV. ARTERIAL	5287.9	2182.8	1576.4	420.5	14.2	4.7	404.2	118.9	10009.6
UNDIV. ARTERIAL	18850.1	7770.1	5617.6	1515.4	50.8	16.7	1448.1	441.3	35710.0
COLL. DIV.	144.9	59.8	43.2	11.5	0.4	0.1	11.1	3.2	274.2
COLL. UNDIV.	5756.6	2382.2	1721.0	475.5	15.8	5.2	451.0	138.3	10945.6
COLL. DISTRIBUTOR	5.9	2.5	1.8	0.5	0.0	0.0	0.4	0.1	11.2
FRONTAGE	7665.7	3196.4	2309.6	634.0	21.2	7.0	604.2	186.3	14624.3
RAMP	4226.3	1711.2	1245.2	362.2	11.8	3.9	336.9	116.7	8014.0
TRANSMOUNTAIN	2383.8	986.4	712.0	204.5	6.6	2.2	189.3	59.0	4543.7
LOOP 375	2575.7	1141.6	822.5	260.6	7.0	2.3	200.5	110.9	5121.1
INTRAZONAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS	168758.3	71367.7	51532.7	14989.6	488.1	160.4	13911.6	4295.9	325504.4



APPENDIX D
TCM CONFORMITY ANALYSES

APPENDIX D TCM CONFORMITY ANALYSES

Appendix D presents a summary of the TCM analyses for conformity analysis. The methodology is based on the analytical procedures developed by TxDOT and the El Paso MPO. Assumptions and data are referenced in the analyses procedures. The work was performed to assist the El Paso MPO in estimating 1996 mobile source emission benefits. All emission rates correspond to the 1996 El Paso conditions. Speeds or other project parameters reflect estimated changes in traffic characteristics between the build and no-build scenarios. A summary sheet precedes the individual project analyses. The following is a list defining the contents of the Appendix:

- Daily Emissions Benefits Summary
- Commuter Vanpooling
- Northeast Transit Terminal
- Eastside Transit Terminal
- Lower Valley Transit Terminal
- Westsid Transit Terminal
- City Hall Transit Plaza
- Oregon Street Transit Mall
- San Antonio Avenue Transit Plaza
- Traffic Surveillance System
- Streetcar Reactivation
- CNG Fueling Facility
- Transportation Management Center (3 pages)
- CBD Signalization
- Alternative Fuels Conversions
- International Bridge Traffic Counters
- FTA 95-1 (2 pages)
- FTA 95-23 (2 pages)

DAILY EMISSION BENEFIT 1995-1999 TIP

Daily Emission Benefit of TCMs

	Kilograms			Tons		
	VOC	CO	NOx	VOC	CO	NOx
Demand Response Facility	0.00	0.00	0.00	0.000	0.000	0.000
Commuter Vanpooling	4.14	29.89	5.65	0.005	0.033	0.006
Northeast Transit Terminal	2.61	18.80	3.56	0.003	0.021	0.004
Eastside Transit Terminal	1.90	13.70	2.59	0.002	0.015	0.003
Lower Valley Transit Terminal	5.98	43.15	8.16	0.007	0.048	0.009
Westside Transit Terminal	2.17	15.66	2.96	0.002	0.017	0.003
City Hall Transit Plaza	6.64	56.30	1.46	0.007	0.062	0.002
Oregon St. Transit Mall	0.49	4.49	0.19	0.001	0.005	0.000
San Antonio Ave. Transit Plaza	51.16	379.53	62.06	0.056	0.418	0.068
Traffic Surveillance System	83.01	601.57	110.69	0.092	0.663	0.122
Paving of Streets and Alleys	0.00	0.00	0.00	0.000	0.000	0.000
Streetcar Reactivation	10.71	82.47	11.38	0.012	0.091	0.013
CNG Fueling Facility	8.62	37.09	60.30	0.010	0.041	0.066
Trans. Management Center	11.35	107.22	-1.18	0.013	0.118	-0.001
CBD Signalization	515.85	4345.95	170.94	0.569	4.791	0.188
Sub-Total	704.64	5735.82	438.75	0.777	6.323	0.484

Daily Emission Benefit of CMAQ Projects

	Kilograms			Tons		
	VOC	CO	NOx	VOC	CO	NOx
Alternative Fuels Conversions -1995	18.42	100.61	92.63	0.020	0.111	0.102
Alternative Fuels Conversions -1996	18.42	100.61	92.63	0.020	0.111	0.102
I/M Programs	0.00	0.00	0.00	0.000	0.000	0.000
Texas Project	0.00	0.00	0.00	0.000	0.000	0.000
Intl. Bridge Traffic Counters	1.05	7.65	0.22	0.001	0.008	0.000
Veh. Repair Tech Training	0.00	0.00	0.00	0.000	0.000	0.000
Sub-Total	37.88	208.88	185.47	0.042	0.230	0.204

Daily Emission Benefit of Transit Projects

	Kilograms			Tons		
	VOC	CO	NOx	VOC	CO	NOx
Purchase 30 30-Foot Buses - 1995	13.55	99.95	17.51	0.015	0.110	0.019
Purchase 20 Full Size Buses - 1995	29.40	234.70	3.22	0.032	0.259	0.004
Purchase 10 Full Size Buses - 1996	14.70	117.35	1.61	0.016	0.129	0.002
Sub-Total	57.64	451.99	22.35	0.064	0.498	0.025
TOTAL	800.17	6396.69	646.57	0.882	7.051	0.713

Commuter Vanpooling

ANALYSIS		NOTES		
1. Calculate daily vanpool ridership				
# of vans	20	EI Paso MPO TxDOT		
Historical ridership	7			
Van riders	140			
2. Calculate daily VMT of vans				
# of vans	20	EI Paso MPO		
Work trip length (mi)	15			
Daily VMT	600			
3. Calculate vehicles removed daily				
Van riders	140	1987 Travel Demand Model		
AVO	1.15			
Cars removed	121.7391			
4. Calculate daily VMT of cars removed				
Cars removed	121.7391	EI Paso MPO		
Avg work trip (mi)	12.5			
Daily VMT	3043.478			
5. Calculate daily VMT saved				
VMT of cars removed	3043.478			
VMT of vans	600			
Daily VMT saved	2443.478			
6. Calculate daily emission reductions				
Speed (mph)	35	1987 Travel Demand Model (URB-RES x PARTU)		
	Daily VMT Saved	EF (g/mi)	Daily Emis (kg)	Benefits (tons)
VOC	2443.478	1.69598	4.14409	0.004568
CO	2443.478	12.23192	29.88842	0.032946
NOx	2443.478	2.312797	5.65127	0.006229

Northeast Transit Terminal

ANALYSIS

NOTES

1. Calculate autos removed from park-and-ride

# of parking spaces	61
Utilization factor	1
Autos removed	61

Not actually a park-and-ride, resembles shared parking
Sun Metro Estimate

2. Calculate daily auto VMT savings from park-and-ride

Autos removed	61
Dist to CBD (mi)	12.6
Daily VMT saved	1537.2

3. Calculate daily auto emission savings from park-and-ride

Speed (mph)	35
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1987 Travel Demand Model (URB-RES x FRWYR)

	Daily VMT Saved	EF (g/mi)	Daily Emis Benefits (kg) (tons)	
VOC	1537.2	1.69598	2.607061	0.002874
CO	1537.2	12.23192	18.8029	0.020727
NOx	1537.2	2.312797	3.555232	0.003919

4. Calculate daily VMT savings from drop-off passengers

# of passengers	0
Dist to CBD (mi)	12.6
Daily VMT saved	0

El Paso MPO

5. Calculate daily auto emission savings from drop-off passengers

Speed (mph)	35
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1987 Travel Demand Model (URB-RES x FRWYR)

	Daily VMT Saved	EF (g/mi)	Daily Emis Benefits (kg) (tons)	
VOC	0	1.69598	0	0
CO	0	12.23192	0	0
NOx	0	2.312797	0	0

6. Calculate total daily emission benefit

	P&R (kg)	Drop-off (kg)	Daily Emis Benefits (kg) (tons)	
VOC	2.607061	0	2.607061	0.002874
CO	18.8029	0	18.8029	0.020727
NOx	3.555232	0	3.555232	0.003919

Eastside Transit Terminal

ANALYSIS

NOTES

1. Calculate autos removed from park-and-ride

# of parking spaces	100
Utilization factor	0.6
Autos removed	60

El Paso MPO
El Paso MPO

2. Calculate daily auto VMT savings from park-and-ride

Autos removed	60
Dist to CBD (mi)	7
Daily VMT saved	840

El Paso MPO

3. Calculate daily auto emission savings from park-and-ride

Speed (mph)	35
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1987 Travel Demand Model (URB-RES x FRWYR)

	Daily VMT Saved	EF (g/mi)	Daily Emis Benefits (kg) (tons)	
VOC	840	1.69598	1.424623	0.00157
CO	840	12.23192	10.27481	0.011326
NOx	840	2.312797	1.94275	0.002142

4. Calculate daily VMT savings from drop-off passengers

# of passengers	20
Dist to CBD (mi)	7
Daily VMT saved	280

El Paso MPO
El Paso MPO

5. Calculate daily auto emission savings from drop-off passengers

Speed (mph)	35
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1987 Travel Demand Model (URB-RES x FRWYR)

	Daily VMT Saved	EF (g/mi)	Daily Emis Benefits (kg) (tons)	
VOC	280	1.69598	0.474874	0.000523
CO	280	12.23192	3.424937	0.003775
NOx	280	2.312797	0.647583	0.000714

6. Calculate total daily emission benefit

	P&R (kg)	Drop-off (kg)	Daily Emis Benefits (kg) (tons)	
VOC	1.424623	0.474874	1.899498	0.002094
CO	10.27481	3.424937	13.69975	0.015101
NOx	1.94275	0.647583	2.590333	0.002855

Lower Valley Transit Terminal

ANALYSIS

NOTES

1. Calculate autos removed from park-and-ride

of parking spaces 100
 Utilization factor 1
 Autos removed 100

El Paso MPO
 El Paso MPO

2. Calculate daily auto VMT savings from park-and-ride

Autos removed 100
 Dist to CBD (mi) 14.7
 Daily VMT saved 2940

El Paso MPO

3. Calculate daily auto emission savings from park-and-ride

Speed (mph) 35

1987 Travel Demand Model (URB-RES x FRWYR)

	Daily VMT Saved	EF (g/mi)	Daily Emis Benefits (kg) (tons)	
VOC	2940	1.69598	4.986181	0.005496
CO	2940	12.23192	35.96184	0.039641
NOx	2940	2.312797	6.799624	0.007495

4. Calculate daily VMT savings from drop-off passengers

of passengers 20
 Dist to CBD (mi) 14.7
 Daily VMT saved 588

El Paso MPO
 El Paso MPO

5. Calculate daily auto emission savings from drop-off passengers

Speed (mph) 35

1987 Travel Demand Model (URB-RES x FRWYR)

	Daily VMT Saved	EF (g/mi)	Daily Emis Benefits (kg) (tons)	
VOC	588	1.69598	0.997236	0.001099
CO	588	12.23192	7.192367	0.007928
NOx	588	2.312797	1.359925	0.001499

6. Calculate total daily emission benefit

	P&R (kg)	Drop-off (kg)	Daily Emis Benefits (kg) (tons)	
VOC	4.986181	0.997236	5.983418	0.006596
CO	35.96184	7.192367	43.1542	0.047569
NOx	6.799624	1.359925	8.159549	0.008994

Westside Transit Terminal

ANALYSIS

NOTES

1. Calculate autos removed from park-and-ride

# of parking spaces	100
Utilization factor	0.6
Autos removed	60

El Paso MPO
El Paso MPO

2. Calculate daily auto VMT savings from park-and-ride

Autos removed	60
Dist to CBD (mi)	8
Daily VMT saved	960

El Paso MPO

3. Calculate daily auto emission savings from park-and-ride

Speed (mph)	35
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1987 Travel Demand Model (URB-RES x FRWYR)

	Daily VMT Saved	EF (g/mi)	Daily Emis (kg)	Benefits (tons)
VOC	960	1.69598	1.628141	0.001795
CO	960	12.23192	11.74264	0.012944
NOx	960	2.312797	2.220285	0.002447

4. Calculate daily VMT savings from drop-off passengers

# of passengers	20
Dist to CBD (mi)	8
Daily VMT saved	320

El Paso MPO
El Paso MPO

5. Calculate daily auto emission savings from drop-off passengers

Speed (mph)	35
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1987 Travel Demand Model (URB-RES x FRWYR)

	Daily VMT Saved	EF (g/mi)	Daily Emis (kg)	Benefits (tons)
VOC	320	1.69598	0.542714	0.000598
CO	320	12.23192	3.914214	0.004315
NOx	320	2.312797	0.740095	0.000816

6. Calculate total daily emission benefit

	P&R (kg)	Drop-off (kg)	Daily Emis (kg)	Benefits (tons)
VOC	1.628141	0.542714	2.170854	0.002393
CO	11.74264	3.914214	15.65685	0.017259
NOx	2.220285	0.740095	2.960381	0.003263

City Hall Transit Plaza

ANALYSIS

NOTES

1. Calculate autos removed

# parking spaces	230
Utilization factor	0.8
Autos removed	184

El Paso MPO
El Paso MPO

2. Calculate daily auto VMT savings

Autos removed	184
Avg trip length (mi)	5
VMT savings	1840

El Paso MPO

3. Calculate daily auto emission savings

Speed (mph)	11
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1987 Travel Demand Model (CBD x UART)

	VMT Saved	EF (g/mi)	Daily Emis (kg)	Benefits (tons)
VOC	1840	3.948651	7.265518	0.008009
CO	1840	32.49178	59.78487	0.065902
NOx	1840	2.476849	4.557403	0.005024

4. Calculate daily bus VMT

# of trolleys	3
Daily VMT per trolley	72
Daily VMT	216

El Paso MPO
Sun Metro

5. Calculate daily bus emissions

Speed (mph)	11
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1987 Travel Demand Model (CBD x UART)

	VMT Saved	EF** (g/mi)	Daily Emis (kg)	Benefits (tons)
VOC	216	2.889515	0.624135	0.000688
CO	216	16.1391	3.486046	0.003843
NOx	216	14.34091	3.097636	0.003415

** Alternative fuel vehicle EF is 75% of reg fuel vehicle

6. Calculate daily emission benefit

	Auto Red (kg)	Bus Inc (kg)	Daily Emis (kg)	Benefits (tons)
VOC	7.265518	0.624135	6.641383	0.007321
CO	59.78487	3.486046	56.29882	0.062059
NOx	4.557403	3.097636	1.459767	0.001609

Oregon Street Transit Mall

ANALYSIS

NOTES

1. Calculate daily peak hour emission around transit mall

Speed(mph)		EF	Dist	Daily Emis.	
	Cars	(g/mi)	(mi)	(kg)	(tons)
11	2017	3.948651	0.5	3.982215	0.00439
	2017	32.49178	0.5	32.76796	0.03612
	2017	2.476849	0.5	2.497902	0.002753

1987 Travel Demand Model (CBD x ART)

Speed(mph)		EF**	Dist	Daily Emis.	
	Buses	(g/mi)	(mi)	(kg)	(tons)
11	275	2.889515	0.5	0.397308	0.000438
	275	16.1391	0.5	2.219126	0.002446
	275	14.34091	0.5	1.971875	0.002174

1987 Travel Demand Model (CBD x ART)

** Alternative fuel vehicle EF is 75% of reg fuel vehicle

Combined Emissions

	Car (kg)	Bus (kg)	Total Peak	
			(kg)	(tons)
VOC	3.982215	0.397308	4.379523	0.004828
CO	32.76796	2.219126	34.98708	0.038567
NOx	2.497902	1.971875	4.469777	0.004927

2. Calculate peak hour emission with traffic rerouted

Speed (mph)		EF	Dist	Daily Emis.	
	Cars	(g/mi)	(mi)	(kg)	(tons)
13	2017	3.495128	0.5	3.524837	0.003885
	2017	28.31604	0.5	28.55673	0.031478
	2017	2.407805	0.5	2.428271	0.002677

Reduced conflicts with buses will increase bus speeds

Speed (mph)		EF**	Dist	Daily Emis.	
	Buses	(g/mi)	(mi)	(kg)	(tons)
13	275	3.525037	0.5	0.363519	0.000401
	275	18.85177	0.5	1.944089	0.002143
	275	17.97314	0.5	1.85348	0.002043

Reduced conflicts with autos will increase bus speeds

** Alternative fuel vehicle EF is 75% of reg fuel vehicle

Combined Emissions

	Car (kg)	Bus (kg)	Total Peak	
			(kg)	(tons)
VOC	3.524837	0.363519	3.888356	0.004286
CO	28.55673	1.944089	30.50081	0.033621
NOx	2.428271	1.85348	4.281751	0.00472

3. Calculate daily emission benefits

	Current (kg)	Build (kg)	Total Peak	
			(kg)	(tons)
VOC	4.379523	3.888356	0.491167	0.000541
CO	34.98708	30.50081	4.486269	0.004945
NOx	4.469777	4.281751	0.188026	0.000207

San Antonio Avenue Transit Plaza

ANALYSIS

NOTES

1. Calculate ridership from increased bus service

Monthly ridership 99028
 Routes 5
 Ridership per route 19805.6

Sun Metro
 Sun Metro

2. Calculate ridership of new routes

Riders per route 19805.6
 New routes 9
 New riders per month 178250.4

El Paso MPO

3. Estimate vehicles removed by new riders

New riders per month 178250.4
 Workdays 22
 Round trip factor 0.5
 Daily Riders 4051.145

El Paso MPO

Daily Riders 4051.145
 % displaced auto trips 0.5
 AVO 1.15
 Veh removed 1761.368

El Paso MPO
 1987 Travel Demand Model

4. Calculate daily VMT of vehicles removed

Vehicles removed 1761.368
 Daily VMT 15.4
 Daily VMT saved 27125.06

1987 Travel Demand Model (HBW=7.7 x 2)

5. Calculate daily emission benefits of vehicles removed

Speed (mph) 30

1987 Travel Demand Model (Urban-N x PARTD)

	Daily VMT Saved	EF (g/mi)	Daily Emis. (kg)	Benefit (tons)
VOC	27125.06	1.886119	51.16109	0.056395
CO	27125.06	13.99172	379.5263	0.418356
NOx	27125.06	2.28789	62.05916	0.068408

Traffic Surveillance System

ANALYSIS

NOTES

1. Calculate daily VMT on project

Daily volume 51000
 Project length 38.4
 Daily VMT 1958400

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 El Paso MPO

2. Calculate daily emission on project

Speed (mph) 34

1987 Travel Demand Model (CBD-FRNG x FRWYR)

	Daily VMT	EF (g/mi)	Daily Emis	
			(kg)	(tons)
VOC	1958400	1.73003818	3388.107	3.734747
CO	1958400	12.5377391	24553.91	27.06604
NOx	1958400	2.30689879	4517.831	4.980054

3. Calculate daily emissions due to nonrecurring congestion

	Daily Emis (kg)	% Nonrecurring	Daily Emis. of incident	
			(kg)	(tons)
VOC	3388.107	4.9%	166.0172	0.183003
CO	24553.91	4.9%	1203.142	1.326236
NOx	4517.831	4.9%	221.3737	0.244023

% Nonrecurring from TxDOT EAD

4. Calculate emission benefit of system

	Daily Emis Incident (kg)	Effectiveness (%)	Daily Emis. benefits	
			(kg)	(tons)
VOC	166.0172	50.00%	83.00862	0.091501
CO	1203.142	50.00%	601.5708	0.663118
NOx	221.3737	50.00%	110.6868	0.122011

Effectiveness from TxDOT recommendations in CMAQ methodologies

Streetcar Reactivation

ANALYSIS

1. Calculate daily auto trips replaced

Daily riders	6500
% replacing auto trips	0.1
Daily auto trips replaced	650

2. Calculate daily VMT saved

Daily auto trips replaced	650
Avg trip length	7.7
Daily VMT saved	5005

3. Calculate daily emission savings from downtown trolley

Speed (mph)	25
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	Daily VMT Saved	EF (g/mi)	Daily Emis (kg)	Benefit (tons)
VOC	5005	2.139979	10.71059	0.011806
CO	5005	16.47847	82.47476	0.090913
NOx	5005	2.273113	11.37693	0.012541

NOTES

Kimley-Horn ridership projection
El Paso MPO

Assumes trolley riders will connect w/ other transit

1987 Travel Demand Model

Zero emission for electric streetcar

1987 Travel Demand Model (URB-RES x UART)

CNG Fueling Facility

ANALYSIS

NOTES

1. Calculate daily VMT savings

# of buses	215
Daily miles saved	28
Daily VMT saved	6020

Sun Metro
Sun Metro

2. Calculate daily emission benefits

Speed (mph)	30
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1987 Travel Demand Model (URB-RES x PARTU)

	Daily VMT Saved	EF (g/mi)	Daily Emis Benefit (kg) (tons)	
VOC	6020	1.43168	8.618715	0.009501
CO	6020	6.160356	37.08534	0.04088
NOx	6020	10.01623	60.29769	0.066467

Transportation Management Center

ANALYSIS

NOTES

1. Calculate non-synchronized emissions for Giles Road

Speed (mph)	26			
	Est. VMT	EF (g/mi)	Daily Emis (kg) (tons)	
VOC	9496	2.082624	19.7766	0.0218
CO	9496	15.9071	151.0539	0.166508
NOx	9496	2.275356	21.60678	0.023817

1987 Travel Demand Model (URB-RES x DART)

VMT estimates by EI Paso MPO

2. Calculate synchronized emissions for Giles Road

Speed (mph)	28			
	Est. VMT	EF (g/mi)	Daily Emis (kg) (tons)	
VOC	9496	1.978415	18.78703	0.020709
CO	9496	14.88211	141.3205	0.155779
NOx	9496	2.280877	21.65921	0.023875

EI Paso Traffic Department

VMT estimates by EI Paso MPO

3. Calculate daily emission benefit of Giles Road

	Non-Synch Emission (kg)	Synch Emission (kg)	Daily Emis (kg)	Benefit (tons)
VOC	19.7766	18.78703	0.989569	0.001091
CO	151.0539	141.3205	9.733339	0.010729
NOx	21.60678	21.65921	-0.05243	-5.8E-05

4. Calculate non-synchronized emissions for Lee Trevino Dr

Speed (mph)	30			
	Est. VMT	EF (g/mi)	Daily Emis (kg) (tons)	
VOC	83231	1.886119	156.9836	0.173045
CO	83231	13.99172	1164.545	1.283691
NOx	83231	2.28789	190.4234	0.209906

1987 Travel Demand Model (URB-RES x PARTU)

VMT estimates by EI Paso MPO

5. Calculate synchronized emissions for Lee Trevino Dr

Speed (mph)	32			
	Est. VMT	EF (g/mi)	Daily Emis (kg) (tons)	
VOC	83231	1.803814	150.1332	0.165494
CO	83231	13.21545	1099.935	1.21247
NOx	83231	2.296517	191.1414	0.210697

EI Paso Traffic Department

VMT estimates by EI Paso MPO

6. Calculate daily emission benefit of Lee Trevino Dr

	Non-Synch Emission (kg)	Synch Emission (kg)	Daily Emis (kg)	Benefit (tons)
VOC	156.9836	150.1332	6.850347	0.007551
CO	1164.545	1099.935	64.6101	0.07122
NOx	190.4234	191.1414	-0.71805	-0.00079

Transportation Management Center

ANALYSIS

NOTES

7. Calculate non-synchronized emissions for McRae Blvd

Speed (mph)	30			
	Est. VMT	EF (g/mi)	Daily Emis (kg) (tons)	
VOC	30188	1.886119	56.93816	0.062764
CO	30188	13.99172	422.3821	0.465596
NOx	30188	2.28789	69.06683	0.076133

1987 Travel Demand Model (URB-RES x PARTU)

VMT estimates by El Paso MPO

8. Calculate synchronized emissions for McRae Blvd

Speed (mph)	32			
	Est. VMT	EF (g/mi)	Daily Emis (kg) (tons)	
VOC	30188	1.803814	54.45353	0.060025
CO	30188	13.21545	398.9479	0.439765
NOx	30188	2.296517	69.32726	0.07642

El Paso Traffic Department

VMT estimates by El Paso MPO

9. Calculate daily emission benefit of McRae Blvd

	Non-Synch Emission (kg)	Synch Emission (kg)	Daily Emis Benefit (kg) (tons)	
VOC	56.93816	54.45353	2.48463	0.002739
CO	422.3821	398.9479	23.43417	0.025832
NOx	69.06683	69.32726	-0.26044	-0.00029

10. Calculate non-synchronized emissions for Viscount Blvd

Speed (mph)	32			
	Est. VMT	EF (g/mi)	Daily Emis (kg) (tons)	
VOC	13929	1.803814	25.12532	0.027696
CO	13929	13.21545	184.078	0.202911
NOx	13929	2.296517	31.98819	0.035261

1987 Travel Demand Model (URBAN-N x PARTU)

VMT estimates by El Paso MPO

11. Calculate synchronized emissions for Viscount Blvd

Speed (mph)	34			
	Est. VMT	EF (g/mi)	Daily Emis (kg) (tons)	
VOC	13929	1.730038	24.0977	0.026563
CO	13929	12.53774	174.6382	0.192506
NOx	13929	2.306899	32.13279	0.03542

El Paso Traffic Department

VMT estimates by El Paso MPO

12. Calculate daily emission benefit of Viscount Blvd

	Non-Synch Emission (kg)	Synch Emission (kg)	Daily Emis Benefit (kg) (tons)	
VOC	25.12532	24.0977	1.02762	0.001133
CO	184.078	174.6382	9.439795	0.010406
NOx	31.98819	32.13279	-0.1446	-0.00016

Transportation Management Center

ANALYSIS

NOTES

13. Calculate daily emission benefits of individual segments

	Giles (kg)	ee Trevin (kg)	McRae (kg)	Viscount (kg)	Total Daily Benefit (kg)	Total Daily Benefit (tons)
VOC	0.989569	6.850347	2.48463	1.02762	11.35217	0.012514
CO	9.733339	64.6101	23.43417	9.439795	107.2174	0.118187
NOx	-0.05243	-0.71805	-0.26044	-0.1446	-1.17552	-0.0013

CBD Signalization

ANALYSIS

NOTES

1. Calculate non-synchronized emissions

Speed (mph)		EF	Daily Emis Benefits	
	CBD VMT	(g/mi)	(kg)	(tons)
11	286968	3.948651	1133.13658	1.249069
VOC	286968	32.49178	9324.1002	10.27806
CO	286968	2.476849	710.776473	0.783497
NOx				

1987 Travel Demand Model (CBD x ART)

VMT proportioned from 1990 HPMS data and 1996 network no-build data
Project size is 20% larger than CBD

2. Calculate synchronized emissions

Speed (mph)		EF	Daily Emis Benefits	
	CBD VMT	(g/mi)	(kg)	(tons)
19	237253	2.601792	617.28305	0.680438
VOC	237253	20.98243	4978.14553	5.487465
CO	237253	2.275352	539.834114	0.595065
NOx				

El Paso Traffic Dept (avg of core CBD - 18 and fringe - 20)

3. Calculate daily emission benefit

	Non-synch	Synch	Daily Benefit	Daily
	(kg)	(kg)	(kg)	(tons)
VOC	1133.1366	617.283	515.853528	0.568631
CO	9324.1002	4978.146	4345.95467	4.790594
NOx	710.77647	539.8341	170.942359	0.188432

Alternative Fuels Conversions

ANALYSIS

NOTES

1. Calculate daily VMT of buses

# of buses	200
Annual VMT	20000
School days per year	200
Daily VMT	20000

Assumption Socorro ISD
El Paso MPO
Regional average

2. Calculate emission of buses before conversion

Speed (mph)	12
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Approximate to Sun Metro estimates

	Daily VMT	EF (g/mi)	Daily Emis (kg)	Daily Emis (tons)
VOC	20000	3.683601	73.67202	0.081209
CO	20000	20.12287	402.4574	0.443633
NOx	20000	18.52513	370.5026	0.408409

3. Calculate emission of buses after conversion

Speed (mph)	12
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Approximate to Sun Metro estimates

	Daily VMT	EF** (g/mi)	Daily Emis (kg)	Daily Emis (tons)
VOC	20000	2.762701	55.25402	0.060907
CO	20000	15.09215	301.8431	0.332725
NOx	20000	13.89385	277.877	0.306307

** Alternative fuel vehicle EF is 75% of reg fuel vehicle

4. Calculate daily emission benefit

	Before (kg)	After (kg)	Daily Emis (kg)	Daily Emis (tons)
VOC	73.67202	55.25402	18.41801	0.020302
CO	402.4574	301.8431	100.6144	0.110908
NOx	370.5026	277.877	92.62565	0.102102

International Bridge Traffic Counters

ANALYSIS

NOTES

1. Calculate exiting idle emissions for all bridges

	Total Delay Hours	EF (g/hr)	Daily Idle Emis	
			(kg)	(tons)
VOC	2616	40.055	104.7839	0.115504
CO	2616	292.44	765.023	0.843293
NOx	2616	8.49	22.20984	0.024482

Delay data from April 3, 1991 for all bridges

2. Calculate daily emission benefit

	Daily Idle Emis (kg)	Improvement (%)	Daily Emis Benefit	
			(kg)	(tons)
VOC	104.78388	1%	1.047839	0.001155
CO	765.02304	1%	7.65023	0.008433
NOx	22.20984	1%	0.222098	0.000245

El Paso MPO assumed improvement

FTA 95-1

ANALYSIS

NOTES

1. Calculate annual emissions per diesel bus

Speed (mph)	12			
	Annual	EF	Annual Emissions	
	VMT	(g/mi)	(kg)	(tons)
VOC	40000	3.683601	147.344	0.162419
CO	40000	20.12287	804.9148	0.887266
NOx	40000	18.52513	741.0052	0.816818

Sun Metro estimate

2. Calculate annual emissions of alt. fuel bus

	Ann Diesel	Alt Fuel	Annual Emissions	
	Bus Emis	Factor	(kg)	(tons)
VOC	147.34404	0.75	110.508	0.121814
CO	804.9148	0.75	603.6861	0.66545
NOx	741.0052	0.75	555.7539	0.612614

** Alternative fuel vehicle EF is 75% of reg fuel vehicle

3. Calculate daily emission benefit of replacement buses

# of new buses	23			
# of days per year	260			
	Diesel Emis	Alt Fuel Emis	Daily Emissions	
	(kg)	(kg)	(kg)	(tons)
VOC	147.34404	110.50803	3.25857	0.003592
CO	804.9148	603.6861	17.801	0.019622
NOx	741.0052	555.7539	16.38762	0.018064

4. Calculate average daily ridership per bus (round trips)

Avg monthly riders	9903
Avg buses per route	3
Days per month	22
Daily riders	150.0454545

Sun Metro
Sun Metro

5. Calculate daily vehicles removed by new riders

Daily riders	150.0454545
% displaced auto trips	50%
AVO	1.15
Veh removed per bus	65.23715415

Assumption
1987 Travel Demand Model

6. Calculate total vehicles removed

Veh removed per bus	65.23715415
# of new buses	7
Total veh removed	456.6600791

El Paso TIP

7. Calculate daily VMT of removed vehicles

Daily veh removed	456.6600791
Daily VMT for veh	15.4
Daily VMT removed	7032.565217

Round trip from home to work (1987 Travel Demand Model)

FTA 95-1

ANALYSIS

NOTES

8. Calculate daily emissions of vehicles removed

Speed (mph)	30			
	Daily VMT	EF (g/mi)	Daily Emis (kg) (tons)	
VOC	7032.565217	1.88611899	13.26425	0.014621
CO	7032.565217	13.99172155	98.39769	0.108465
NOx	7032.565217	2.2878901	16.08974	0.017736

1987 Travel Demand Model (URB-RES x PARTU)

9. Calculate daily emissions of alt fuel buses

Days per year	260			
	Daily Emis per Bus (kg)	# of new buses	Daily Emis (kg) (tons)	
VOC	0.425030885	7	2.975216	0.00328
CO	2.321869615	7	16.25309	0.017916
NOx	2.137515	7	14.96261	0.016493

10. Calculate daily emission effect of new buses

	Daily Auto Emissions (kg)	Daily Bus Emissions (kg)	Daily Emis (kg) (tons)	
VOC	13.2642548	2.975216192	10.28904	0.011342
CO	98.3976943	16.25308731	82.14461	0.090549
NOx	16.08973634	14.962605	1.127131	0.001242

11. Calculate total daily emission benefits

	Replacement Buses (kg)	New Buses (kg)	Daily Emis Benefit (kg) (tons)	
VOC	3.258570115	10.28903861	13.54761	0.014934
CO	17.80100038	82.144607	99.94561	0.110171
NOx	16.387615	1.127131338	17.51475	0.019307

FTA 95-23

ANALYSIS

NOTES

1. Calculate annual emissions per diesel bus

Speed (mph)	12			
	Annual	EF	Annual Emissions	
	VMT	(g/mi)	(kg)	(tons)
VOC	40000	3.683601	147.344	0.162419
CO	40000	20.12287	804.9148	0.887266
NOx	40000	18.52513	741.0052	0.816818

Sun Metro estimate

2. Calculate annual emissions of alt. fuel bus

	Ann Diesel	Al Fuel	Annual Emissions	
	Bus Emis	Factor	(kg)	(tons)
VOC	147.344	0.75	110.508	0.121814
CO	804.9148	0.75	603.6861	0.66545
NOx	741.0052	0.75	555.7539	0.612614

** Alternative fuel vehicle EF is 75% of reg fuel vehicle

3. Calculate average daily ridership per bus (round trips)

Avg monthly riders	9903
Avg buses per route	3
Days per month	22
Daily riders	150.0455

Sun Metro

Sun Metro

4. Calculate daily vehicles removed by new riders

Daily riders	150.0455
% displaced auto trips	50%
AVO	1.15
Veh removed per bus	65.23715

Assumption
1987 Travel Demand Model

5. Calculate total vehicles removed

Veh removed per bus	65.23715
# of new buses	10
Total veh removed	652.3715

El Paso TIP

6. Calculate daily VMT of removed vehicles

Daily veh removed	652.3715
Daily VMT for veh	15.4
Daily VMT removed	10046.52

Round trip from home to work (1987 Travel Demand Model)

7. Calculate daily emissions of vehicles removed

Speed (mph)	30			
	Daily	EF	Daily Emis	
	VMT	(g/mi)	(kg)	(tons)
VOC	10046.52	1.886119	18.94894	0.020888
CO	10046.52	13.99172	140.5681	0.15495
NOx	10046.52	2.28789	22.98534	0.025337

1987 Travel Demand Model (URB-RES x PARTU)

FTA 95-23

ANALYSIS

NOTES

8. Calculate daily emissions of all fuel buses

Days per year	260			
	Daily Emis			
	per Bus	# of new	Daily Emis	
	(kg)	buses	(kg)	(tons)
VOC	0.425031	10	4.250309	0.004685
CO	2.32187	10	23.2187	0.025594
NOx	2.137515	10	21.37515	0.023562

9. Calculate daily emission effect of new buses

	Daily Auto	Daily Bus	Daily Emis	
	Emissions	Emissions	(kg)	(tons)
	(kg)	(kg)	(kg)	(tons)
VOC	18.94894	4.250309	14.69863	0.016202
CO	140.5681	23.2187	117.3494	0.129356
NOx	22.98534	21.37515	1.610188	0.001775