MIAMI URBAN AREA TRANSPORTATION STUDY (MUATS) & YEAR 2025 PLAN UPDATE

AIR QUALITY

CONFORMITY DETERMINATION REPORT

DECEMBER 6, 2001

Prepared For:

METROPOLITAN PLANNING ORGANIZATION
MPO
MIAMI-DADE

Prepared By:

Gannett Fleming

MPO RESOLUTION # 40-01

RESOLUTION APPROVING THE AIR QUALITY CONFORMITY DETERMINATION REPORT FOR THE MIAMI-DADE TRANSPORTATION PLAN TO THE YEAR 2025 AND THE AIR QUALITY CONFORMITY REDETERMINATION FOR CURRENT FISCAL YEAR 2002-2006 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

WHEREAS, the Interlocal Agreement creating and establishing the Metropolitan Planning Organization (MPO) for the Miami Urbanized Area requires that the MPO provide a structure to evaluate the adequacy of the transportation planning and programming process, and

WHEREAS, the Governing Board of the Metropolitan Planning Organization has been established and charged with the responsibility and duty of fulfilling the aforementioned functions, and

WHEREAS, the TPC has reviewed the air quality conformity determination and finds it consistent with federal and state requirements, and

WHEREAS, statutory regulations governing the MPO program require that the urban area long range transportation plan be the subject of a major update every three years and comply with the requirements of the Clean Air Act Amendment of 1990, and

WHEREAS, the Federal Clean Air Act Amendment require that "No department, agency, or instrumentality of the Federal Government shall engage in, support in any way or provide financial assistance for, license or permit, or approve an activity which does not conform to an implementation plan after it has been approved or promulgated under Section 110"; and

WHEREAS, "No Metropolitan Planning Organization designated under Title 23 of the U.S. Code, shall give its approval to any project, program or plan which does not conform to an implementation plan approved or promulgated under Section 110"; and

WHEREAS, the federal air quality conformity regulation (40 Code of Federal Regulations Part 51. subpart T) requires that the conformity of the currently conforming Transportation Improvement Program (TIP) must be redetermined within six months from the date of adoption of a new or revised long range plan by MPO (40 CFR 51, 400).

WHEREAS, the projects contained in the 2025 Transportation Plan and its subset, the FY 2002-2006 TIP, do not contradict in a negative manner any specific requirements or commitments contained in the State Implementation Plan (SIP); and

WHEREAS, the Environmental Protection Agency (EPA) Conformity Rule requires that transportation plans contribute to reductions in volatile organic compounds (VOC) and nitrogen oxides (NOx) emissions in future years compared against an emissions budget; and

WHEREAS, the emissions modeling is consistent with the most recent population, employment and travel congestion estimates; and

WHEREAS, the 2025 Transportation Plan and its subset, the FY 2002-2006 TIP, would result in less VOCs and NOx emissions in all future years when compared against 1990 Base Year emissions for the Miami Urbanized area; and

WHEREAS, the emissions associated with the 2025 Transportation Plan does not exceed any of the VOCs or NOx emissions budgets contained in the State Implementation Plan for the Miami Urbanized Area; and

WHEREAS, the MPO has documented that the contents of the transportation plan meet the requirements of 40 CFR 93.106. and that the emission budgets used in the conformity analysis are those contained in the SIP's approved maintenance plan, and the conformity analysis meets the analysis requirements of 40 CFR 93.118.

NOW, THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF THE METROPOLITAN PLANNING ORGANIZATION FOR THE MIAMI URBANIZED AREA:

SECTION 1. That the Miami-Dade Transportation Plan to the Year 2025 Air Quality Conformity Determination Report and the air quality conformity redetermination for current fiscal year 2002-2006 Transportation Improvement Program (TIP) is hereby approved.

The foregoing resolution was offered by Arthur E. Teele, Jr., who moved its adoption. The motion was seconded by Board Member Natacha Seijas, and upon being put to a vote, the vote was as follows:

Board Member Miriam Alonso	- Absent	Board Member Dennis C. Moss	- Aye
Board Member Bruno A. Barreiro	- Aye	Board Member Dorrin Rolle	- Absent
Board Member Barbara M. Carey-Shuler	- Absent	Board Member Natacha Seijas	- Aye
Board Member Joe J. Celestin	- Absent	Board Member Darryl K. Sharpton	- Aye
Board Member Betty T. Ferguson	- Aye	Board Member Jose Smith	- Aye
Board Member Perla T. Hantman	- Absent	Board Member Katy Sorenson	- Absent
Board Member William H. Kerdyk	- Absent	Board Member Rebeca Sosa	- Absent
Board Member M. Ronald Krongold	- Aye	Board Member Javier D. Souto	- Absent
Board Member Joe A. Martinez	- Absent	Board Member Arthur E. Teele, Jr.	- Aye
Board Member Raul L. Martinez	- Aye	Chairperson Gwen Margolis	- Aye
Board Member Jimmy L. Morales	- Aye		

The Chairperson thereupon declared the resolution duly passed and approved this 6th day of December, 2001.

METROPOLITAN PLANNING ORGANIZATION
M.P.O.

By _____
Jose-Luis Mesa
MPO Secretariat

Name of MPO: Metropolitan Planning Organization for the Miami Urbanized Area

ITEM NO.	Requirement	Page Number
1	A copy of the MPO's finding of conformity on the transportation plan is included	i
2	An emissions reduction summary table such as Appendix 8 of this procedure is included	18
3	The report demonstrates that the implementation of the transportation plan will contribute to annual emission reductions when compared to the 1990 base year network, and that the same is true for each analysis or horizon year. The horizon years were selected by the MPO through the Consultation Process.	2
4	The report documents that the transportation plan is in conformance with the SIP, the CAA, and the transportation conformity regulation, the metropolitan planning regulation, and other applicable and state requirements.	2
5	The report states that the transportation plan is financially constrained.	3
6	The dates the MPO's Technical and Citizens' Advisory Committees (TAC and CAC, respectively) reviewed the conformity finding, and the date the MPO adopted the transportation plan and its Conformity Determination Report, are indicated.	3
7	The MPO has documented that the contents of the transportation plan meet the requirements of 40 CFR 93.106	4
8	The emissions expected from the implementation of the transportation plan are consistent with the motor vehicle emissions budgets for the MPO shown in the approved maintenance plan; emissions for each horizon year are less than the 1999 base year inventory by any non-zero amount.	4
9	The date the area was redesignated to attainment by EPA is shown.	4
10	The transportation plan conforms to the purpose of the SIP by eliminating or reducing the severity and number of violations of NAAQS and achieving expeditious implementation of such standards.	4
11	Page numbers in the transportation plan where financially funded Transportation Control Measure (TCM)-type strategies, programs, and projects, including CMAQ projects, as applicable, are identified	5
12	The dates that FHWA/FTA made finding of conformity on the previous TIP and the TIP was approved by the Secretary of FDOT as shown.	5
13	The report identifies significant issues raised verbally or in writing at, or subsequent to, the TAC meeting by state or local air quality agencies, and how the MPO addressed such concerns; or, the report states that no significant comments were received.	6

Name of MPO: Metropolitan Planning Organization for the Miami Urbanized Area

ITEM NO.	Requirement	Page Number
14	Relevant interagency and/or interlocal agreements necessary to implement the conformity process are documented, and the parties to the agreements and the dates executed are cited.	6
15	The MPO has documented how data collection, analysis, and development of the transportation plan was coordinated with the other MPOs in the same airshed (if applicable), and how the interagency consultation process was implemented to ensure consistency between emissions and conformity analyses.	6
16	The plan documents that the emissions budgets used in the conformity analysis are those contained in the SIP's approved maintenance plan, and the conformity analysis meets the analysis requirements of 40 CFR 93.118.	6
17	The long-range plan describes the future transportation system specifically enough to allow a determination of conformity.	7
18	The public involvement process is fully documented. If documented in the transportation plan rather than the plan's Conformity Determination Report, indicate the page number.	7
19	The MPO consulted with FDOT, FDEP, the local air quality program, transit providers, and local transportation agencies before adopting the transportation plan Conformity Determination Report. The date the public comment period began and the date the draft plan and CDR were provided to the public and agencies for review indicated.	7
20	The CDR documents whether significant changes were made in the conformity analysis after TAC review, indicates the purpose of the changes, the agencies consulted, the consultation process undertaken, and the outcome.	8
21	The report includes the MPO's written response to all significant (non-editorial) concerns of the state and local air quality agencies, whether such concerns were stated verbally or in writing.	8
22	The CDR explains how models to be used in the regional emissions analysis were evaluated and selected by the MPO through the consultation process.	8
23	If applicable, the MPO has documented that minor arterials and other transportation projects were determined through the consultation process to be regionally significant, and therefore subject to conformity analysis.	8
24	Projects identified through the consultation process that underwent a significant change in design concept and scope from the previous conforming transportation plan	8

Name of MPO: Metropolitan Planning Organization for the Miami Urbanized Area

ITEM NO.	Requirement	Page Number
25	The CDR documents methodology and emissions reductions resulting from TCMs and TSMs in the plan; the CDR documents whether certain exempt projects were evaluated to determine if they should be treated as non-exempt because of potential adverse impacts on air quality, if applicable.	8
26	The CDR. documents that all parties to the consultation process were notified by the MPO when revisions or amendments to the transportation plan and TIP added or deleted exempt projects, and the dates of such notification, as applicable.	8
27	The CDR documents that the EPA-approved emissions model was used, coordinated with FSUTMS and EMIS, and the use of other models was coordinated with FDOT, FHWA, DEP, and other parties	9
28	The sources of the most recent planning assumptions, derived from the estimates of current and future population, employment, travel, and congestion are documented.	9
29	The assumptions made about transit services and increases in transit fares, and road and bridge tolls over time are indicated.	10
30	All projects for each of the transportation plan's horizon years (including exempt projects) are listed, and the WPI numbers are indicated	10
31	The report explains (as applicable) how the travel demand model VMT used as the basis for the 1999 base year emissions inventory has been adjusted to HPMS VMT and shows the results of the analysis.	10
32	Copies of the input files for the MOBILE model and the EMIS output files are included.	10
33	Projects exempt from the regional emissions analysis are highlighted in the project listings, or shown on a separate table.	10
34	Projects that have not completed a major step as defined in 40 CFR §51.394(c) are highlighted in the project listings, or shown on a separate table.	10
35	Off-model methodologies used to estimate emissions reductions from projects and programs not reflected in the transportation model are fully documented and each project or program is fully described.	11
36	The VMT from projects which are not regionally significant have been estimated in accordance with reasonable professional practice.	11

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EXECUTIVE SUMMARY

This report documents the ***conformity determination*** of the Year 2025 Miami-Dade County Long Range Transportation Plan (LRTP) and the ***conformity redetermination*** for the FY 2002-2006 Transportation Improvement Program (TIP), a subset of the Year 2025 LRTP, in fulfillment of the requirements of the 1990 Federal Clean Air Act Amendments. This Conformity Determination Report (CDR) documents that implementation of projects listed in Appendix C, the Minimum Revenue Plan Project List, will contribute to emissions reductions compared to the emissions from the 1999 Base Year network in the analysis years of:

- Year 2005 Priority 1 "Minimum Revenue," also the FY 2002-2006 TIP;
- Year 2010 Priority 1 "Minimum Revenue;"
- Year 2015 Priority 2 "Minimum Revenue;"
- Year 2020 Priority 3 "Minimum Revenue;" and
- Year 2025 Priority 4 "Minimum Revenue."

This report also establishes that as adopted the following:

- The TIP is a subset of the Year 2025 Long Range Transportation Plan.
- The LRTP is consistent with 23 CFR Part 450, Subpart C in that it is financially constrained.
- The contents of the LRTP meet the requirements of 40 CFR 93.106 governing the required content of transportation plans.
- The emissions from the implementation of the LRTP are consistent with the motor vehicle emissions budgets for the MPO as shown in the approved maintenance plan**.**
- The 2025 LRTP conforms to the purpose of the State Implementation Plan (SIP) by eliminating the number of violations of National Ambient Air Quality Standards (NAAQS) and achieving expeditious implementation of such standards.
- During the Maintenance Period, the emissions from the implementation of the LRTP are consistent with the motor vehicle emission budgets in the approved maintenance plan (51.428 and 51.430).
- Both the Year 2025 LRTP and its subset, the FY 2002-2006 TIP, air quality conformity determination are anticipated to be locally approved by the Miami Dade Metropolitan Planning Organization (MPO) Governing Board on December 6, 2001.
- The plan documents that the emissions budgets used in the conformity analysis are those contained in the SIP's approved maintenance plan, and the conformity analysis meets the analysis requirements of 40 CFR 93.118.

Projected emissions were calculated using the travel demand model and Mobile5. The results of the air quality conformity analysis are summarized in the table below.

Parameter	Year					
	1999	2005	2010	2015	2020	2025
Population	2,130,700	2,316,900	2,471,900	2,626,800	2,798,600	2,969,200
VMT	40,741,600	44,052,700	46,998,200	49,927,900	54,514,200	59,123,700
NOx Emissions (tons/day)	106.67	88.27	73.80	65.36	65.60	70.14
NOx Budget (tons/day)	111.82	111.82	111.82	111.82	111.82	111.82
VOC Emissions (tons/day)	86.62	88.27	83.95	88.57	97.32	110.39
VOC Budget (tons/day)	148.77	148.77	148.77	148.77	148.77	148.77

1.0 INTRODUCTION

The Miami-Dade Long Range Transportation Plan must conform to the provisions the Clean Air Act Amendment (CAAA) of 1990 in addition to being financially feasible. The United States Environmental Protection Agency (USEPA) designated Miami-Dade County as a moderate non-attainment area for national ozone standards. In 1995 the USEPA re-designated Miami-Dade County to attainment status, which means that for a twenty-year period, Miami-Dade County must demonstrate conformity to the maintenance plan through its Long Range Transportation Plan and Transportation Improvement Plan.

Therefore, as part of this long range planning process, an Air Quality Conformity Analysis was performed. Projected emissions were calculated using the travel demand model and Mobile5. Through this process, it was demonstrated that the projected emission levels, for the future transportation systems, would be within the established budgets.

2.0 CONFORMITY REQUIREMENTS

The Florida Department of Transportation (FDOT) has outlined thirty-six items to be addressed by this conformity determination report in order to fulfill the requirements of the Clean Air Act Amendments of 1990. This section provides a detailed response to each of the thirty-six items identified in the *District Review of Conformity Determinations* (Topic 525-010-014-g).[1]

Item 1

The MPO certifies that the Year 2025 Long Range Transportation Plan and its subset, the FY 2002-2006 TIP, meet the criteria for air quality as set forth in the Clean Air Act Amendments of 1990.

Item 2

Emissions Reduction Summary Tables are included herein as Appendix B.

To illustrate the conformity determination, a brief synopsis of results are presented in Appendix B for the Emission Budget Test and the Conformity of the Year 2025 Long Range Transportation Plan and its subset, the FY 2002-2006 TIP. Emissions Reduction Summary Tables and Graphics are included as follows:

- Minimum Revenue Plan NOx Emissions Reductions Summary
- Minimum Revenue Plan NOx Emissions Budget and Reductions
- Minimum Revenue Plan VOC Emissions Reductions Summary
- Minimum Revenue Plan VOC Emissions Budget and Reductions

Item 3

This conformity determination documents that implementation of the projects listed in the Miami-Dade County Year 2025 LRTP and its subset, the FY 2002-2006 TIP, will contribute to emissions reductions when compared to the 1999 base year network, and that the same is true for each analysis or horizon year. The entire Southeast Florida Airshed (Miami-Dade, Broward and Palm Beach Counties) has used 1999 as a common base year for coordination purposes. The horizon years were selected by the MPO through the consultation process while following all applicable state and federal guidelines.

Item 4

Furthermore, this report documents that the Year 2025 LRTP and its subset, the FY 2002-2006 TIP, is in conformance with the emissions budgets contained in the State Implementation Plan (SIP), the metropolitan planning regulation, and the requirements of the Clean Air Act Amendments (CAAA).00

[1] Florida Department of Transportation, Office of Policy Planning (July 9, 1998) *District Review of Conformity Determinations*, FDOT: Tallahassee, FL (525-010-014-g).

Item 5

The Plan is consistent with 23 CFR Part 450, Subpart C in that it is financially constrained. Further detailed discussion of the financial constraints is offered in the Year 2025 LRTP document.

Item 6

The dates the MPO's Technical and Citizens' Advisory Committees (TPTAC and CAC, respectively) reviewed the conformity finding, and the date the MPO adopted the transportation plan and its Conformity Determination Report, are indicated below. The agendas for the meetings are presented in Appendix S.

The Transportation Planning Council (TPC) membership includes the directors and representatives from: the transit operator (MDT), the Florida Department of Environmental Protection (FDEP), the Miami-Dade County Department of Environmental Resources Management (DERM), the Florida Department of Transportation (FDOT) District 6, the FDOT Turnpike District, the Miami-Dade Expressway Authority (MDX), the Miami-Dade County Public Schools, and Miami-Dade County Departments of Public Works, Aviation, Seaport, Information Technology (ITD), and Tri-Rail; plus, representatives from the four most populous cities of the county (Miami, Hialeah, Miami Beach, North Miami) and the Dade League of Cities representing citizens from all municipalities.

The TPC was presented with preliminary Year 2025 LRTP documentation at its February 12, 2001 meeting. Further information was provided to the TPC and presentations were again made at the June 11, 2001 and September 10, 2001 meetings. At the October 15, 2001 meeting, the TPC approved the Year 2025 LRTP and its subset, the FY 2002-2006 TIP, by Resolution #32-01. TPC endorsed the Draft Air Quality Conformity Determination Report at this meeting on October 15, 2001.

The Transportation Planning Technical Advisory Committee (TPTAC) has similar membership as the TPC with technical staff being represented on behalf of their agencies. At its September 5, 2001 meeting, the TPTAC was presented with the preliminary Year 2025 LRTP documentation for review and input. At this same meeting, the TPTAC recommended adoption of the Year 2025 LRTP and its subset, the FY 2002-2006 TIP, and reviewed its emission results. On October 10, 2001, TPTAC approved the Draft Air Quality Conformity Determination Report.

The Citizens Transportation Advisory Committee (CTAC) advises the MPO Governing Board and the Board of County Commissioners on achieving quality transportation facilities and programs for the citizens of Miami-Dade County. CTAC participated in the review and development of the Year 2025 LRTP starting at its February 21, 2001 meeting. CTAC subsequently was presented material and participated in the development of the Year 2025 LRTP and its subset, the FY 2002-2006 TIP, including air quality analysis results, at its March 21, 2001; May 16, 2001; June 20, 2001; July 18, 2001; and September 18, 2001 meetings. CTAC also participated by hosting the "Call for Ideas!" initiative, a series of public information workshops on the Year 2025 LRTP

on July 31, 2001; August 1, 2001; and August 2, 2001. Additionally, CTAC hosted a Televised/Interactive Community Meeting on the Long Range Transportation Plan on October 2, 2001. The CTAC endorsed the Draft CDR on October 17,2001.

Item 7

The contents of the transportation plan meet the requirements of 40 CFR 93.106 governing the required content of transportation plans.

Item 8

The emissions expected from the implementation of the transportation plan are consistent with the motor vehicle emission budgets for the MPO as shown in the approved maintenance plan; emissions for each horizon year are less than the 1999 base year inventory by any non-zero amount. No goals, directives or recommendations contained within the adopted Year 2025 Long Range Transportation Plan will be in conflict with the goals and intent of the SIP. The Year 2025 LRTP will conform to the purpose of the SIP by eliminating the number of violations of National Ambient Air Quality Standards (NAAQS). Projects in the Year 2025 LRTP will contribute to the expeditious implementation of the NAAQS and will not cause or contribute to any new violation of any standard, increase the frequency or severity of any exiting violations of any standards, or delay the timely attainment of any standards or any required interim emission reductions or other milestones in the area.

Item 9

On April 25, 1995, the U.S. Environmental Protection Agency (USEPA) redesignated the Southeast Florida Airshed (made up of Miami-Dade, Broward and Palm Beach Counties) from moderate non-attainment for the pollutant ozone to attainment status. The Florida Department of Environmental Protection (FDEP) submitted the redesignation request and maintenance plan for the Southeast Florida Airshed on November 8, 1993, as an amendment to the SIP. On November 6, 1995 the Florida Department of Environmental Resources (FDEP) held a public hearing to introduce a technical amendment to the SIP for revised emissions budgets for the Southeast Florida Airshed. These adjusted emissions budgets are the caps used here to demonstrate conformity of the Year 2025 LRTP and its subset, the FY 2002-2006 TIP, with the requirements of the CAAA.

Item 10

The Year 2025 LRTP and its subset, the FY 2002-2006 TIP, will conform to the purpose of the SIP by eliminating the number of violations of National Ambient Air Quality Standards (NAAQS) and achieving expeditious implementation of such standards. Emissions resulting from the implementation of the Year 2025 Long Range Transportation Plan were compared to the emission budgets established by the redesignation request maintenance plan. Implementation of the Year 2025 LRTP and its subset, the FY 2002-2006 TIP, is estimated to result in emissions which fall below the emissions budget set for the analysis years of 2005, 2010, 2015, 2020, and 2025. During the Maintenance Period, the emissions expected from the implementation of the long-

range plan are consistent with the motor vehicle emission budgets in the approved maintenance plan (51.428 and 51.430).

Item 11

Even though there are no required Transportation Control Measures (TCMs) in the Florida SIP; voluntary TCM strategies are recommended. No off-model air quality emission benefits have been used as part of this Air Quality Conformity Determination Report. No off-model emission benefits are claimed as part of this report.

While no CMAQ projects are TCMs, the plan identified some TCM-type strategies, programs or projects. These TCMs are intended to reduce single occupant vehicles (SOV), reduce traffic congestion and increase transit usage and the use of high occupancy vehicles (HOVs). Existing TCM activities include: Metrobus (72 routes), Metrorail (21 miles), Metromover (1.9 miles), Park-and-Ride and HOV Parking Lots, Exclusive Bus and Carpool Lanes, Metro-Dade Traffic Control System, Bikeways, Transportation System Management (TSM), Intelligent Corridor System (ICS), Incident Management, and Transportation Demand Management Activities (TDM). These strategies are identified in the Year 2025 LRTP document on pages 13 through 19.

The following projects currently found in the FY 2002-2006 Transportation Improvement Program (TIP) are CMAQ funded:

- ITS Surveillance System on SR 826 (East-West Expressway) from NW 154th Street to Golden Glades Parkway
- Miami-Dade County Traffic Signal Upgrade (ATMS)
- Countywide Traveler Information
- Miami Intermodal Center (MIC) Core (Phase 1) Design & Construction

Item 12

Federal Conformity findings on the FY 2002-2006 TIP and redetermination of conformity of the Year 2020 LRTP Conformity (previous Plan), by FHWA/FTA were conditionally approved on September 28, 2001. Miami-Dade County's program was conditionally approved subject to a meeting with FDOT, MPOs in all six maintenance areas, Florida Department of Environmental Protection (FDEP), FHWA, FTA, and EPA. A joint letter from James E. St. John, Division Administrator, FHWA and Jerry Franklin, Regional Administrator, addressed to Thomas F. Barry, Florida DOT Secretary of Transportation to this effect appears in Appendix L.

State Conformity Findings on the Year 2002-2006 TIP and retermination of conformity of the Year 2020 LRTP, by FDOT, were conditionally approved on August 31, 2001. Miami-Dade County's program was conditionally approved subject to FHWA/FTA approval. A letter from Thomas Barry, Florida DOT Secretary of Transportation, addressed to James St. John, Division Administrator, FHWA, to this effect appears in Appendix M.

Item 13

No significant concerns were received by the MPO from outside parties, and no major concerns needed to be addressed verbally or in writing to any significant (non-editorial) concerns of any other state and local air quality agencies. Comments from agencies are included in Appendix T and are reflected in the final version of this document.

Item 14

Relevant interagency and/or interlocal agreements necessary to implement the conformity process and the parties to the agreements and the dates executed are cited as follows:

Memorandum of Agreement (MOA)

At its June 2, 1998 meeting, the MPO Governing Board passed Resolution # 13-98 approving an amendment to the MOA. The County Manager executed the MOA by signing, on behalf on the MPO, the local air agency (DERM) and the local transit operator (MDT), on June 6, 1998. Previously, the Metropolitan Planning Organization for the Miami Urbanized Area had approved on September 22,1994 a Memorandum of Agreement (MOA) implementing the conformity criteria and consultation procedures revision to the Florida State Implementation Plan (SIP) pursuant to the Clean Air Act Amendments of 1990. This MOA was amended to reflect revisions published by the United States Environmental Protection Agency (EPA) on November 15, 1995. The MPO Governing Board approved the proposed amendment by MPO Resolution #46-96 of July 11, 1996.

Item 15

Data collection, analysis, and development of the Year 2025 LRTP and its subset, the FY 2002-2006 TIP, was coordinated with the other MPOs in the same airshed, and the interagency consultation process was implemented to ensure consistency between emissions and conformity analyses. Once the consultant team was on-board, and the scope of services established, the Broward County LRTP Project Manager was invited to participate in the selection committee, and data was exchanged between the counties to ensure that roadway and transit projects were in synch across the county line. Similarly, concepts, methods and results were exchanged, as the respective plans were developed.

Both the Broward County MPO and Palm Beach County MPO were consulted throughout the process through the Inter-MPO for Air Quality (IMAQ) Subcommittee Meetings. These regularly scheduled meetings allowed for consultation and coordination between the MPOs within the Southeast Florida Airshed. A meeting of the IMAQ Subcommittee was held on November 9, 2001. At this meeting Air Quality results for the Year 2025 LRTP and its subset, the FY 2002-2006 TIP, were presented. Further meetings of the IMAQ Subcommittee are scheduled for March 15, 2002; May 10, 2002; and October 18, 2002.

Item 16

The plan documents that the emissions budgets used in the conformity analysis are those contained in the SIP's approved maintenance plan, and the conformity analysis meets the analysis requirements of 40 CFR 93.118.

Item 17

The long-range plan describes the future transportation system specifically enough to allow a determination of conformity

Detailed project information is presented in Appendix C which includes project limits, work type descriptions, current priority in the plan, and the nature of the proposed modification. This information served as a guide to network coding the projects in the travel demand model.

Appendix D of this report is a map which displays each project to visually display its spatial location on the county map and to illustrate the project's general geographic location. Also included in Appendix D are maps displaying each project for each future analysis year. These maps include the Project ID Number, which corresponds to the Project ID found in the Minimum Revenue Plan Project List, found in Appendix C.

Item 18

The public involvement process is fully documented in Section 3.0 of this document, including a listing of all public involvement activities undertaken throughout the Plan development process.

Item 19

The MPO consulted with FDOT, FDEP, the local air quality program, transit providers, and local transportation agencies before adopting the transportation plan Conformity Determination Report.

For this Year 2025 LRTP and its subset, the FY 2002-2006 TIP, the MPO relied on the Transportation Planning Council (TPC) and Transportation Planning Technical Advisory Committee (TPTAC) memberships. TPC includes FDOT, FDEP, the local air agency, the local transit provider and all local transportation agencies plus Tri-Rail, Miami-Dade County Public Schools, Dade League of Cities, and representatives from the four most populous cities in the County (Miami, Hialeah, Miami Beach and North Miami Beach).

The TPC was presented with preliminary Year 2025 LRTP documentation at its February 12, 2001 meeting. Further information was provided to the TPC and presentations were again made at the June 11, 2001 and September 10, 2001 meetings. At the October 15, 2001 meeting, TPC approved the Year 2025 LRTP and its subset, the FY 2002-2006 TIP, by Resolution #32-01. TPC endorsed the Draft Air Quality Conformity Determination Report at this meeting on October 15, 2001.

The TPTAC membership includes technical staff from MPO, FDOT, the local air agency, the transit provider and all local transportation agencies plus Tri-Rail. At its September 5, 2001 meeting the TPTAC was presented with preliminary Year 2025 LRTP documentation for review and input. At this same meeting, the TPTAC recommended adoption of the Year 2025 LRTP and its subset, the FY 2002-2006 TIP, and reviewed its

emission results. On October 10, 2001, TPTAC approved the Draft Air Quality Conformity Determination Report.

A meeting of the Southeast Florida Airshed Technical Committee (Inter-MPO Air Quality Technical Committee) was held on November 9, 2001. At this meeting Air Quality results for the Year 2025 LRTP and its subset, the FY 2002-2006 TIP, were presented. The Draft CDR was made available to all state, regional and local agencies on November 6, 2001.

Item 20

No significant changes were made in the conformity analysis after the TPTAC review. By TPC Resolution #32-01, of October 15, 2001, the Transportation Planning Council recommended approval of the Year 2025 LRTP anticipated to be adopted by the MPO Governing Board at its December 6, 2001 meeting.

Item 21

No significant concerns were received by the MPO from other outside parties, and no major concerns needed to be addressed verbally or in writing to any significant (non-editorial) concerns of any other state and local air quality agencies.

Item 22

No regional model was used for emissions analysis. Each County within the Southeast Florida Airshed used their own urban model for emission analysis.

Item 23

The MPO determined that those project being amended in the Year 2025 LRTP and its subset, the FY 2002-2006 TIP, did not include any minor arterial projects of regional significance.

Item 24

No projects identified through the consultation process have undergone a significant change in design concept and scope from the Year 2020 LRTP and its subset, the FY 2001-2006 TIP, which is the previous conforming transportation plan.

Item 25

No particular methodologies, such as off-model techniques to determine emission reduction benefits from Transportation Control Measures (TCM) or Transportation Systems Management (TSM), were used as part of this Plan Update. No emission benefits or emission reductions resulting from implementation of TCMs or TSMs in the plan are claimed. No particular exempt project was evaluated to determine if they should be treated as non-exempt because of potential adverse impacts on air quality.

Item 26

All parties to the consultation process were notified by the MPO when revisions or amendments to the transportation plan added or deleted exempt projects, and the dates of such notification.

The Plan Update to the Year 2020 was originally adopted at the December 15, 1998 the MPO Governing Board Meeting. The Minimum Revenue Plan as revised was adopted on May 27, 1999 by MPO Resolution #7-99 to include the East-West and North Corridor final design and right-of-way (R/W) acquisition phases, the Port of Miami Tunnel final design phase, and a partial construction phase of the NW 25 Street Viaduct project.

The Minimum Revenue Plan as revised was adopted on December 9, 1999 by MPO Resolution #34-99 to include 9 amendments (include projects, modify project priorities and descriptions pertaining to the Miami-Dade Expressway Authority -MDX; the Miami-Dade Transit Agency -MDTA; and the Downtown Development Authority - DDA).

No other amendments have been made to the Plan. Amendments made to the LRTP have all been advertised as public hearings before being adopted by the MPO Governing Board.

Item 27

The EPA-approved emissions model was used, coordinated with FSUTMS and EMIS. The use of MOBILE5 was coordinated with FDOT, FHWA, FDEP, and other regional and local parties.

On May 28, 1998, Mr. J.R. Skinner, FHWA Florida Division Administrator transmitted Ms. Ysela Llort, State Transportation Planner a 2-page letter with "Refinements to MOBILE5 resulting from the New Model Year 2004 Oxides of Nitrogen (NOx) Standards for Heavy-Duty Diesel Vehicles (HDDV)". In addition, a 2-page document dated May 1998 titled "EPA Follow-up guidance on MOBILE5 Refinements resulting from the New Model Year 2004 NOx Standards for Heavy-Duty Diesel Vehicles (HDDVs)" was included. Issues of concern were consulted with all participating local, regional, and state agencies by teleconference. As directed by the Southeast Florida Airshed, the results from the Mobile5a analysis were adjusted based on the EPA approved Fact Sheet 8, the results of which can be found in Appendix K.

Item 28

The Year 2025 LRTP document presents that the most recent planning assumptions, derived from the estimates of current and future population, employment, travel, and congestion were used in its development.

The Miami-Dade County Planning Department developed the socioeconomic data for the Year 2025 LRTP and its subset, the FY 2002-2006 TIP. This data included population, employment, school enrollment, and other data for the base year 1999 and the horizon

year 2025. This data serves as input into the travel demand model and is used to forecast future travel demand and future congestion.

The Florida Standard Urban Transportation Model Structure (FSUTMS), the travel demand model supported by the Florida Department of Transportation and used by MPOs and transportation agencies throughout the State of Florida, is the travel demand model used for the Miami-Dade Transportation Planning Model (MTPM). A new "lifestyle" based trip production model and double-digit facility type and area type coding are two enhancements that were added to the model for this update. Data collected from the Southeast Florida Regional Travel Characteristics Study have been incorporated into the model to facilitate these enhancements. The model was validated to 1999 base conditions and used to predict future year travel and congestion.

Item 29

There were no changes in the assumptions made about transit services and increases in transit fares, and road and bridge tolls.

Item 30

All projects included in the Plan have been identified in separate tables for each plan horizon year and are shown in Appendix C. WPI numbers are indicated for each project where applicable.

Item 31

Compliance with *VMT FACTOR:* The emissions calculated by the EMIS program are to be converted by a factor in order to be consistent with the 1999 highway statistics collected for the Highway Performance Monitoring System (HPMS). This HPMS factor is the ratio of the 1999 HPMS total vehicle miles traveled (VMT) to the VMT calculated for the same year by EMIS.

The reported HPMS VMT value for Miami-Dade County, for 1999 (40,741,718), is divided by the EMIS VMT (42,630,212) resulting in an adjustment factor of 0.95784. This factor is referred to as the EMISFAC and it is found in the PROFILE.MAS

$$\textit{VMT Factor} = \frac{\text{HPMS VMT:}}{\text{EMIS VMT:}} = \frac{40{,}741{,}718}{42{,}630{,}212} = 0.95570$$

The Highway Performance Monitoring Systems (HPMS) VMT data is required to be used for estimating all emission values (40 CFR §51.452 (b) (2)).

Item 32

Copies of the input files for the MOBILE model and the EMIS output files are included with this report in the appendices.

Item 33

There are no projects exempt from the regional emissions analysis included as part of this Year 2025 LRTP Update.

Item 34

There are no projects that have not completed a major step as defined in 40 CFR §51.394(c) highlighted in the project listings, or shown on a separate table.

§51.394 Applicability (B) During the transitional, control strategy, and maintenance periods, the applicable implementation plan (or implementation plan submission) established a budget for such emissions as part of reasonable further progress, attainment or maintenance strategy.

(c) Limitations: (1) Projects subject to this regulation for which NEPA process and a conformity determination have been completed by FHWA or FTA may proceed toward implementation without further conformity determinations if one of the following major steps has occurred within the past three years: NEPA process completion; start of final design; acquisition of a significant portion of the right-of-way; or approval of the plans, specifications and estimates. All phases of such projects which were considered in the conformity determination are also included, if those phases were for the purpose of funding, final design, right-of-way acquisition, construction, or any combination of these phases.

Item 35

Due to the inability of the current EPA-approved emissions estimating model (MOBILE5a) to adequately accommodate projections for the horizon year (year 2025), the year 2025 emissions were derived by applying the 2020 emission rates to the 2025 VMT. The estimated emissions will greatly exceed those calculated by MOBILE6 when it is officially released.

The EPA published the final rule on Tier 2 Motor Vehicle Emissions Standards and Gasoline Sulfur Control Requirements (Tier 2 standards) for passenger cars, light trucks, and larger passenger vehicles on February 10, 2000. The program is focused on reducing emissions on these vehicles and ensures that essentially all vehicles designed for passenger use in the future will be clean vehicles. Tier 2 exhaust and evaporative emission certification requirements on motor vehicle emissions will begin in 2004.[1]

In order to incorporate the Tier 2 standards anticipated to begin in 2004 into Mobile5, off-modeling analysis must be used. Therefore, EPA approved Information Sheet #8 was used to adjust the Mobile5 emissions model results. Use of this off-model processing methodology is consistent with other counties efforts in the Southeast Florida Airshed. The results of this analysis are shown in Appendix K. Consistent with the rest of the Southeast Florida Airshed, no other EPA approved information sheets were used in this emissions analysis.

Item 36

The VMT from projects which are not regionally significant have been estimated in accordance with reasonable professional practice.

[1] Environmental Protection Agency (April 2000) *MOBILE5 Information Sheet 8: Tier 2 Benefits Using Mobile5*, U.S. Environmental Protection Agency: Washington, DC. (EPA420-F-00-001)

3.0 PUBLIC INVOLVEMENT

Public involvement is an important aspect of the long range transportation planning process. The MPO and the FDOT assured the opportunities for public involvement throughout the planning process. The MPO developed a Public Involvement Plan and Program to encourage meaningful public involvement. This Program identified specific strategies to inform and educate the public about transportation related planning issues and MPO activities. A complete list of all public involvement activities can be found in Table 1.

Community Workshops

During the summer of 2001, the Miami-Dade Metropolitan Planning Organization (MPO) organized and conducted a series of community or public workshops on the proposed Miami-Dade Transportation Plan to the Year 2025 throughout the County. The Citizen's Transportation Advisory Council (CTAC) hosted these workshops. The objective of these workshops was to allow the citizens an opportunity to review and comment on the proposed improvements to the County's transportation system for the next twenty-four years. The workshops were area specific with respect to the proposed improvements, providing general information regarding the projects for each of the six analysis areas, as well as those on a countywide basis. A public announcement for these workshops was published in the Miami Times on Thursday, July 26, 2001, in the Miami Herald on Sunday, July 29, 2001, and in El Nuevo Herald on Sunday, July 29, 2001. In addition Press Releases were sent to local radio and television stations on Thursday, July 26, 2001 and "blast" faxes were sent to Miami-Dade County Communication's Department key contact list during this same time period. The "Call for Ideas!" flyer was mailed on several occasions in July, with the primary mailing being sent out on Wednesday, July 18, 2001.

Using a new approach to the public workshops for the draft Transportation Plan, the MPO and CTAC kicked-off a "Call for Ideas!" initiative through which comments by the public would be solicited and compiled. Rather than take large segments of time discussing preliminary projects proposals, the representatives from CTAC and the MPO "opened for floor" for comments and input from the public. Citizens were allowed early opportunity to comment and provide their ideas regarding transportation problems and solutions. Agency representatives were present and prepared to discuss proposed, programmed and planned projects as needed, but the emphasis on this workshop format was to hear from the citizenry.

Several meetings were conducted at the end of July and early August 2001, and announcements were made concerning future "Call for Ideas!" workshops. The attendees were informed that the MPO and CTAC were planning on making this a quarterly effort, but that the public participation process was a continuous one and comments were always accepted. The comment forms could be taken from this workshop and transmitted back to the MPO at a later date.

As part of the workshop preparation process, a series of seven presentation brochures were designed and published, one for each of the six areas of analysis and one as a County overview. Examples of the public involvement brochures can be found in Appendix P. Each brochure consisted generally of the following elements:

- A brief description of the analysis area including limits, municipalities, major roadway, major transportation services, and currently on-going or planned transportation projects.
- Demographic information of the analysis area in tabular and graphic formats including population, dwelling units, automobile ownership, employment, and trips for 1999 and 2025.
- Color graphics demonstrating the expected growth of the area's population and employment from 1999 to 2025.

Additionally, two newsletters were published detailing air quality issues specifically. These newsletters can be found in Appendices N and O. The first newsletter, published March 2001, provides background information on the Clean Air Act Amendments and other air quality issues. The second newsletter, published September 2001, provides more detailed information on the air quality modeling process.

The presentation materials at the Community Workshops included large sized reproductions of the population and employment growth charts for the analysis areas; an audio-visual presentation of the MPO's programs, functions, and current transportation issues; and other transportation services related handouts, brochures, and documents as prepared by the MPO or other agencies.

The workshop presentation materials were set up on tables located at or near the main library entrances and/or lobbies in order to maximize visibility and public interest and participation. Properly identified and informed MPO personnel were accompanied by representatives of other County and state agencies involved in the development of the 2025 Transportation Plan. These included personnel from the Florida Department of Transportation and Miami-Dade Transit (MDT).

The Workshops were executed in an informal presentation manner, some involving a one-on-one discussion format with the public. The workshop personnel would help each person understand the planning process, especially the public involvement part, and answer any questions. Forms were available for citizens to register their comments on the draft Plan, and citizens were encouraged to take the materials and forms home and mail, fax, or e-mail their comments to the MPO. Each participant/visitor was asked to sign an attendance sheet in order to maintain a record and/or provide them with additional information regarding the progress of the Plan. Several copies of the draft Plan brochures were placed in the library reading and newspaper/magazine areas for public use.

Table 1: Project Schedule for the Public Involvement Plan Activities Associated with the Year 2025 LRTP

#	Date Out	Sent to	Remarks	Mailed	Faxed	Presen-ted	Picked Up
COMMITTEES							
1	2/21/01 3/21/01 5/16/01 6/20/01 7/18/01 9/12/01	CTAC (42 members)		X		X	
2	various dates	BPAC (22 members)		X		X	
3	"	TARC (9 members)		X		X	
4	"	TPTAC (13 members)		X		X	
5	2/12/01 6/11/01 9/10/01	TPC (18 members)		X		X	
6	6/20/01 various dates	MPO (19 members)		X		X	
CITIES							
1	6/20/01 and various subsequent dates	City of North Bay Village		X			
2	"	Town of Medley		X			
3	"	City of Sweetwater		X			
4	"	Indian Creek Village		X			
5	"	City of South Miami		X			
6	"	City of Miami Springs		X			
7	"	City of Miami		X			
8	"	City of North Miami		X			
9	"	Village of El Portal		X			
10	"	City of Homestead		X			
11	"	Village of Biscayne Park		X			
12	"	City of Key Biscayne		X			
13	"	City of Miami Beach		X			
14	"	Village of Virginia Gardens		X			
15	"	City of Hialeah Gardens		X			
16	"	City of Miami Shores		X			
17	"	City of Opa-Locka		X			
18	"	City of Hialeah		X			
19	"	City of North Miami Beach		X			

#	Date Out	Sent to	Remarks	Mailed	Faxed	Presen-ted	Picked Up
20	"	Town of Golden Beach		X			
21	"	Town of Surfside		X			
22	"	City of West Miami		X			
23	"	Bal Harbour Village		X			
24	"	Town of Bay Harbor		X			
25	"	City of Coral Gables		X			
26	"	City of Florida City		X			
27	"	City of Aventura		X			
28	"	Village of Bal habour		X			
29	"	Village of Pinecrest		X			
REGIONAL/LOCAL AGENCIES							
1	various dates	County Agencies	Reviewed by County Agencies conducted in TPTAC forum				
2	"	Miami-Dade County Communications Department		Faxed to various interested parties			
STATE AGENCIES							
1	various dates	FDOT	Reviewed by FDOT offices conducted in TPTAC forum				
FEDERAL ENTITIES AND TRIBAL GOVERNMENTS							
1	various dates	Federal Highway Administration		X		X	
2	"	Federal Transit Administration		X		X	
3	"	Miccosukee Indian Tribe		X			
MPOs							
1	various dates	Broward		X			X
COMMUNITY, BUSINESS, AND EDUCATIONAL ORGANIZAATIONS							
1	various dates	Greater Mimi Chamber of Commerce		X			
2	"	Miami-Dade County League of Cities		X			

#	Date Out	Sent to	Remarks	Mailed	Faxed	Presen-ted	Picked Up
3	"	Florida Transportation Builders Association		X			
4	"	Kendall Federation Of Homeowners		X			
5	"	Redland Citizens Associations		X			
6	"	Health Council of South Florida		X			
7	"	Transport Workers Union		X			
8	"	St. Thomas University		X			
9	"	Miami River Coordinating Committee		X			
10	"	Florida Concrete and Products Association		X			
11	"	NMB Chamber of Commerce		X			
12	"	West Miami-Dade Federation of Homeowners		X			
13	"	MDT Paratransit Operations		X			
14	"	MDT Transit Mobility Planning		X			
15	"	Miami-Dade County Board of Education		X			
16	"	CHARLEE of Miami-Dade County, Inc.		X			
17	"	Association for Retarded Citizens		X			
18	"	Mount Sinai Medical Center		X			
19	"	Community Council for Jewish Elderly		X			
20	"	Easter Seal Society of Dade		X			
21	"	Action Community Center		X			
22	"	MACtown, Inc.		X			
23	"	North Shore Medical Center		X			
24	"	Federation Gardens		X			
25	"	Sunrise Community, Inc.		X			
26	"	Little Havana Activities and Nutrition Centers of Miami-Dade, Inc.		X			

#	Date Out	Sent to	Remarks	Mailed	Faxed	Presen-ted	Picked Up
27	"	Miami-Dade Department of Human Resources		X			
28	"	Southwest Social Services Program		X			
29	"	James E. Scott Community Association, Inc.		X			
30	"	Miami Home and Hospital for the Aged		X			
31	"	Goodwill Industries of South Florida, Inc.		X			
32	"	Lutheran Services for the Elderly, Inc.		X			
33	"	North Miami Foundation for Senior Citizens, Inc.		X			
34	"	Villa Maria Nursing Center		X			
35	"	Concept House, Inc.		X			
36	"	The Village South, Inc.		X			
37	"	National Parkinson Foundation		X			
38	"	Hope Center, Inc.		X			
39	"	The Haven Center, Inc.		X			
40	"	Mangowood Estates Citizens Association		X			
41	"	Florida Rock Industries Inc. Retarded Citizens		X			
42	6/25/01	City of Miami Community Redevelopment Agency				X	
43	9/4/01	Coconut Grove Village Council				X	
44	9/19/01	Brickell Homeowners' Association				X	
45	9/26/01	Commissioner Dorrin Rolle Town Hall Meeting				X	
46	10/1/01	Kendall Federation of Homeowner Associations				X	
47	10/2/01	CTAC Hosted Televised/ Interactive Community Meeting on the LRTP				X	
48	10/3/01	Commissioner Moss Community Roundtable				X	

#	Date Out	Sent to	Remarks	Mailed	Faxed	Presen-ted	Picked Up
49	10/11/01	Greater Miami Chamber of Commerce – Transportation Executive Committee				X	
50	10/22/01	Quarterly Community Council Chair's Meeting				X	
51	10/22/01	Miami Beach Community Development Corporation				X	
52	10/25/01	Transportation Public Forum – Miami Lakes				X	
53	11/14/01	Community Council District 11				X	
54	11/15/01	Allapattah Homeowner's Association				X	
55	11/30/01	The Haitain American Historical Society				X	
GENERAL PUBLIC							
1	7/29/01	Miami Herald, Newspaper				Advertisement	
COMMUNITY WORKSHOPS							
1		North	July 31, 2001				
2		South	August 1, 2001				
3		Central	August 2, 2001				
4		Informational Presentation to MPO Board	September 20, 2001				
5		Public Hearing	December 6, 2001, MPO Board Chambers, Miami				

4.0 STATEMENT OF CONFORMITY

Emissions resulting from the implementation of the Year 2025 Long Range Transportation Plan were compared to the emission budgets established by the designation request maintenance plan. Implementation of the Year 2025 LRTP and its subset, the FY 2002-2006 TIP, is estimated to result in emissions which fall below the emissions budget set for the analysis years of 2005, 2010, 2015, 2020 and 2025.

During the Maintenance Period, the emissions expected from the implementation of the long-range plan are consistent with the motor vehicle emission budgets in the approved maintenance plan (§51.428 and §51.430).

To establish conformity, the MPO has followed the Florida Department of Transportation, Topic No. 525-010-014-g of July 9, 1998 and titled "District Review of Conformity". This procedure supplements USEPA's transportation conformity regulation (40 CFR Part 51) and was prepared by the FDOT Office of Policy Planning. The FDOT Directive addresses the transportation and air quality planning methodology to be employed by the State's urban areas using the Florida Standard Urban Transportation Model Structure (FSUTMS) and the Mobile Emissions Series Models to assess the status of air quality compliance efforts.

Table 2: Minimum Revenue Plan Emissions Reduction Summary

Parameter	Year					
	1999	2005	2010	2015	2020	2025
Population	2,130,700	2,316,900	2,471,900	2,626,800	2,798,600	2,969,200
VMT	40,741,600	44,052,700	46,998,200	49,927,900	54,514,200	59,123,700
NOx Emissions (tons/day)	106.67	88.27	73.80	65.36	65.60	70.14
NOx Budget (tons/day)	111.82	111.82	111.82	111.82	111.82	111.82
VOC Emissions (tons/day)	86.62	88.27	83.95	88.57	97.32	110.39
VOC Budget (tons/day)	148.77	148.77	148.77	148.77	148.77	148.77

Appendix A

List of Acronyms

LIST OF ACRONYMS

CAAA	Clean Air Act Amendments
CAC	Citizens Advisory Committee
CDR	Conformity Determination Report
CTAC	Citizens Transportation Advisory Committee
DERM	Department of Environmental Resources Management
EPA	Environmental Protection Agency
FDEP	Florida Department of Environmental Protection
FDOT	Florida Department of Transportation
FHWA	Federal Highway Administration
FSUTMS	Florida Standard Urban Transportation Model Structure
FTA	Federal Transit Administration
HBW	Home Based Work
HOV	High Occupancy Vehicles
HPMS	Highway Performance Monitoring System
ICS	Intelligent Corridor System
ITD	Information Technology Department
LRTP	Long Range Transportation Plan
MDT	Miami-Dade Transit
MDX	Miami-Dade Expressway Authority
MOA	Memorandum of Agreement
MPO	Metropolitan Planning Organization
NAAQS	National Ambient Air Quality Standards
NOx	Nitrogen Oxides
SIP	State Implementation Plan
SOV	Single Occupant Vehicle
TCM	Transportation Control Measures
TDM	Transportation Demand Management
TIP	Transportation Improvement Program
TPC	Transportation Planning Council
TPTAC	Transportation Planning Technical Advisory Committee
TSM	Transportation System Management
VHT	Vehicle Hours Traveled
VMT	Vehicle Miles Traveled
VOC	Volatile Organic Compound

Appendix B

Selected Model Summaries

FSUTMS HEVAL / Mobile5 EMIS Emission Results Summary

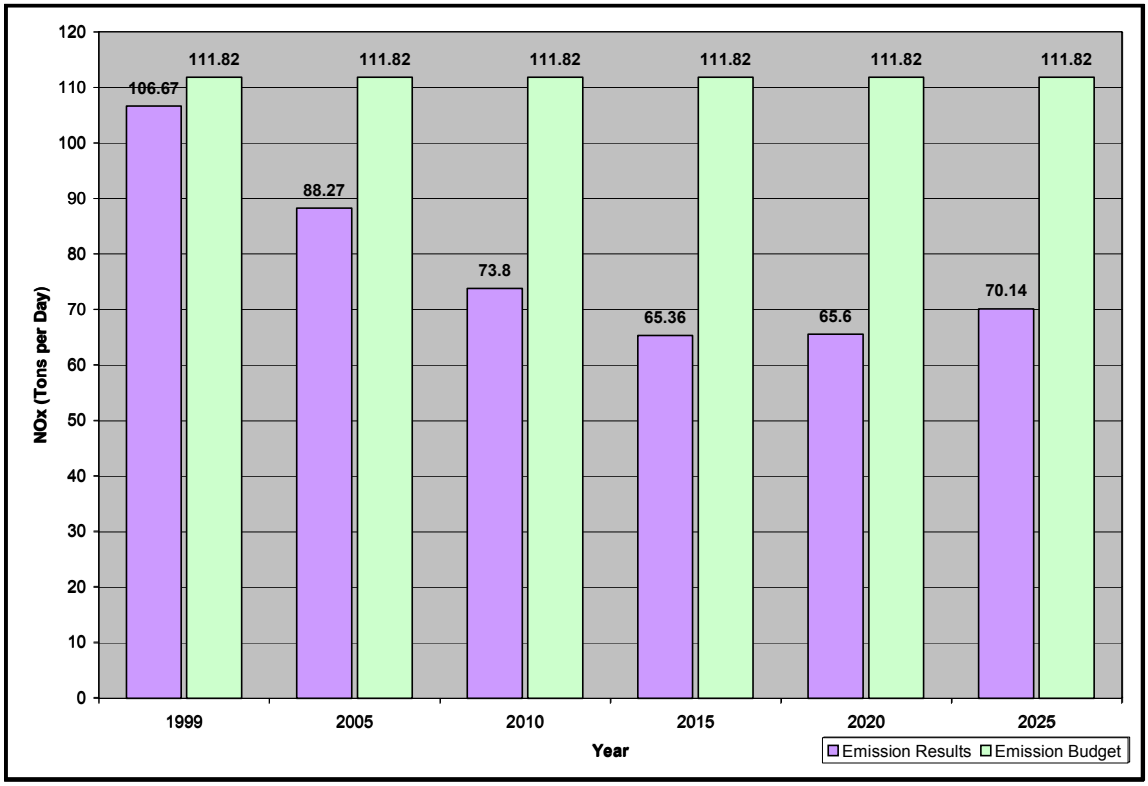
Parameter	Year					
	2025 Priority 4	2020 Priority 3	2015 Priority 2	2010 Priority 1	2005 Priority 1	1999
Vehicle-Miles-of-Travel[1]	59,123,700	54,514,200	49,927,900	46,998,200	44,052,700	40,741,600
Vehicle-Hours-of-Travel[1]	4,475,700	3,502,800	2,839,400	2,420,500	2,133,600	1,915,800
Vehicle-Hours Delay due to Congestion[2]	2,823,900	1,944,200	1,385,000	1,040,100	827,700	695,200
Volume-to-Capacity Ratio (systemwide)[2]	0.96	0.92	0.87	0.83	0.81	0.80
Average Speed[1]	13.21	15.56	17.58	19.42	20.65	21.27
Home-based Work Mode Split (percent transit)[3]	1.26%	1.26%	1.27%	1.29%	1.32%	1.23%
Total Non-work Mode Split (percent transit)[3]	1.61%	1.62%	1.61%	1.64%	1.67%	1.47%
Home-based Work Auto "Drive Alone" Trips[3]	1,920,200	1,801,000	1,678,100	1,597,600	1,516,600	1,425,700
Total Non-work Auto "Drive Alone" Trips[3]	3,278,400	3,089,000	2,885,800	2,725,500	2,564,300	2,377,500
Total VOC[4] (budget = 148.77 tons)	110.39	97.32	88.57	83.95	84.40	86.62
Total NOx[4] (budget = 111.82 tons)	70.14	65.60	65.36	73.80	88.27	106.67

Sources:
[1] EMIS.OUT
[2] HEVAL.OUT
[3] MODE.OUT
[4] EPA Mobile5 Information Sheet #8

Minimum Revenue Plan NOx Emissions Reductions Summary

		Priority Groups Included in Analysis					
Priority	**Horizon Year**	**1999 NOx**	**2005 NOx**	**2010 NOx**	**2015 NOx**	**2020 NOx**	**2025 NOx**
1	2005		X	X	X	X	X
1	2010			X	X	X	X
2	2015				X	X	X
3	2020					X	X
4	2025						X
Emission Results		106.67	88.27	73.80	65.36	65.60	70.14
Emission Budget		111.82	111.82	111.82	111.82	111.82	111.82

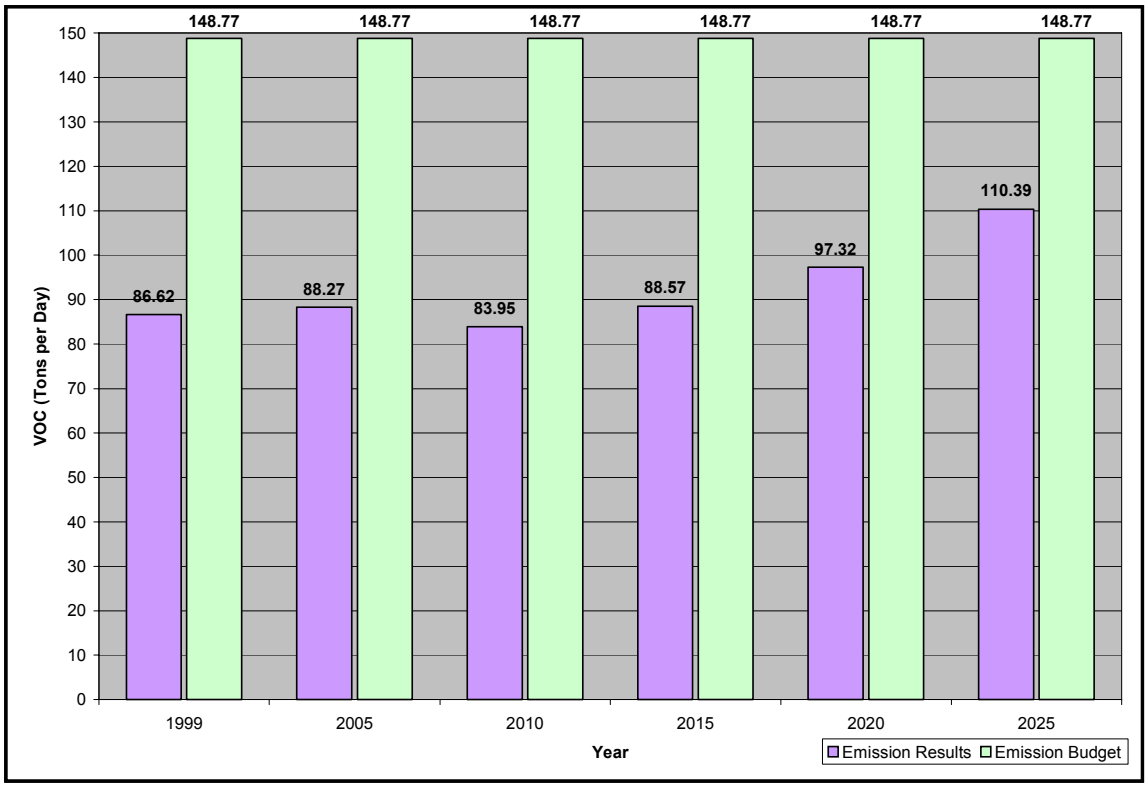
Minimum Revenue Plan NOx Emissions Budget and Reductions



Minimum Revenue Plan VOC Emissions Reductions Summary

		Priority Groups Included in Analysis					
Priority	Horizon Year	1999 VOC	2005 VOC	2010 VOC	2015 VOC	2020 VOC	2025 VOC
1	2005		X	X	X	X	X
1	2010			X	X	X	X
2	2015				X	X	X
3	2020					X	X
4	2025						X
Emission Results		86.62	88.27	83.95	88.57	97.32	110.39
Emission Budget		148.77	148.77	148.77	148.77	148.77	148.77

Minimum Revenue Plan VOC Emissions Budget and Reductions



Appendix C

Year 2025 LRTP Minimum Revenue Plan Project List

YEAR 2025 TRANSPORTATION PLAN
MINIMUM REVENUE PLAN - HIGHWAY AND TRANSIT PROJECTS
PRIORITY I PROJECTS
2000 - 2005
Projects anticipated to be open to traffic by December 31, 2005
(Projects fully-funded in the approved FY 2002-2006 Transportation Improvement Program are considered Priority I projects and are not shown in this list)

Area	Project ID	Project or Facility	Limits		Project Description	FDOT/Miami-Dade Co. Proj. #	Current TIP Phase†
			From	To			
COUNTYWIDE		ITS - PACKAGE "C"			ITS - SUNGUIDE CONTROL CTR (SO) 32,000 SF FACILITY W/FHP	6114415	INC, MSC
COUNTYWIDE		ADVISORY TRAVEL INFORMATION SYSTEM	SYSTEM WIDE		PROVIDE PLANNING AND IMPLEMENTATION SRVICES FOR ITS	ITS-001	PD, DES
BEACH/CBD	19	SR 886 / PORT BLVD	AT PORT OF MIAMI U-TURN		FRONTAGE ROAD	4057131	PDE, CST
BEACH/CBD	28	NE 8 ST / BAYSHORE DRIVE	BISCAYNE BLVD	PORT BLVD	NEW 4 LANES & BAYWALK (PHASE II)	662472	CST
BEACH/CBD		WEST AVE	17 ST	DADE BLVD	BRIDGE OVER DADE CANNEL		
BEACH/CBD		SR 112 / I-195 ITS	NW 11 AVE	SR 907 / ALN ROAD	ITS - INFORMATION SYSTEM	6141915	PE, CST
BEACH/CBD		SR 836 - ICS	HEFT	LEJUNE	INTELLIGENT CORRIDOR SYSTEM		
CENTRAL	1	MIAMI INTERMODAL CENTER	LE JEUNE ROAD		ACCESS IMPROVEMENT - CD NORTHBOUND	6114411	ROW
CENTRAL	2	MIAMI INTERMODAL CENTER	LE JEUNE ROAD		ACCESS IMPROVEMENT - CD SOUTHBOUND	6114411	ROW
CENTRAL	3	MIAMI INTERMODAL CENTER	SR 836 INTERCHANGE	NW 37 AVE	ACCESS IMPROVEMENT	4056641	CST
CENTRAL	4	MIAMI INTERMODAL CENTER			ACCESS IMPROVEMENT - MIC/MIA INTERCHANGE	4088341	CST
CENTRAL	6	SR 25 / OKEECHOBEE ROAD	W 19 ST	PALM AVE	ADD 2 LANES TO 4 AND RECONSTRUCT	6114016	INC
CENTRAL	7	SR 25 / OKEECHOBEE ROAD	PALM AVE	SE 7 AVE	ADD 2 LANES TO 4 AND RECONSTRUCT	2498392	INC
CENTRAL	53	SR 112	SR 112 WB OFF RAMP	OKEECHOBEE RD	NEW WB OFF RAMP TO OKEECHOBEE ROAD		
CENTRAL	55	SR 836	NW 57TH AVE	NW 72ND AVE	ADD AUXILIARY LANES IN WB DIRECTION		
CENTRAL		MIAMI INTERMODAL CENTER			ACCESS- RENTAL CAR HUB DESIGN AND CONST	2499373	PE, CST
CENTRAL		SR 112 / I-195 ITS	NW 11 AVE	SR 907 / ALN ROAD	ITS - INFORMATION SYSTEM	6141915	PE, CST
CENTRAL		SR 9A / I-95 Package B	SR 5 / US-1	BROWARD COUNTY LINE	ITS - VARIABLE MESSAGE SIGNS, TRAIL-BLAZERS, RAMP METERING, ACCIDENT INVESTIGATION SITE	6141914	CST
CENTRAL		SR 836 - ICS	HEFT	LEJUNE	INTELLIGENT CORRIDOR SYSTEM		
NORTH	15	SR 860/MIAMI GARDENS DR	SR 91 / TURNPIKE	NW 2 AVE.	ADD 2 LANES TO 4 LANES; REHABILITATE PVMNT	6113960	CST, INC
NORTH	16	SR 860/MIAMI GARDENS DR	W. OF NW 57 AVE.	CAROL CITY CANAL 'A'	ADD 2 LANES TO 4 LANES; REHABILITATE PVMNT	6114064	INC
NORTH	17	SR 860/MIAMI GARDENS DR	320 MTRS W. OF NW 27 AVE.	SR 91 / TURNPIKE	ADD 2 LANES TO 4 LANES; REHABILITATE PVMNT	6114377	CST, INC
NORTH	18	SR 860/MIAMI GARDENS DR	CORAL CITY CANAL 'A'	320 MTR W. OF NW 27 AVE.	ADD 2 LANES TO 4 LANES; REHABILITATE	6114388	INC
NORTH	20	SR 9A / I-95	NW 135 ST	NW 151 ST	CORRIDOR IMPROVEMENT, ADD 1 LANES TO 5 LANES NB &SB	2515692	PE, CST
NORTH	21	SR 9A / I-95	S. OF SR 836 / I-395	NW 14 ST	ACCESS IMPROVEMENTS, ADD 2 LANES	4107261	PE, CST
NORTH	59	NW 79 AVE	NW 74 ST	OKEECHOBEE ROAD	5 NEW LANES (DESIGN COMPLETED)	663013	CST, AF

YEAR 2025 TRANSPORTATION PLAN
MINIMUM REVENUE PLAN - HIGHWAY AND TRANSIT PROJECTS
PRIORITY I PROJECTS
2000 - 2005
Projects anticipated to be open to traffic by December 31, 2005

(Projects fully-funded in the approved FY 2002-2006 Transportation Improvement Program are considered Priority I projects and are not shown in this list)

Area	Project ID	Project or Facility	Limits		Project Description	FDOT/Miami-Dade Co. Proj. #	Current TIP Phase†
			From	To			
NORTH	60	NW 17 AVE.	NW 103 ST	NW 119 ST	WIDEN TO 5 LANES (DESIGN COMPLETED)	671267	AF
NORTH		SR 112 / I-195 ITS	NW 11 AVE	SR 907 / ALN ROAD	ITS - INFORMATION SYSTEM	6141915	PE, CST
NORTH		SR 826 E-W, ITS PH1	NW 154 ST	GOLDEN GLADES	ITS SURVEILLANCE SYSTEM	2497192	PE, CST
NORTH		SR 9A / I-95 Package B	SR 5 / US-1	BROWARD COUNTY LINE	ITS - VARIABLE MESSAGE SIGNS, TRAIL-BLAZERS, RAMP METERING, ACCIDENT INVESTIGATION SITE	6141914	CST
NORTH		SR 93 / I-75 ICS	SR 826/PALMETTO EXPY	DADE-BROWARD COUNTY LINE	ITS	6141917	CST
NORTHWEST	8	SR 25 / OKEECHOBEE ROAD	SR 826 / PALMETTO EXPY	W 19 ST	ADD 2 LANES TO 4 AND RECONSTRUCT	6114282	ROW, RRU, CST
NORTHWEST	9	SR 826/PALMETTO EXPY	S. OF NW 103 ST	S. OF NW 122 ST	ADD 2 LANES TO 6 AND RECONSTRUCT	6113290	INC
NORTHWEST	10	SR 826/PALMETTO EXPY	2000FT S OF NW 25 ST		ADD 2 LANES TO 8 AND RECONSTRUCT	6113289	INC
NORTHWEST	11	SR 826/PALMETTO EXPY	N. OF NW 25 ST	NW 47 ST	ADD 2 LANES TO 8 AND RECONSTRUCT	6113827	CST, INC, MSC
NORTHWEST	12	SR 826/PALMETTO EXPY	NW 47 ST	NW 62 ST	ADD 2 LANES TO 8 AND RECONSTRUCT	6113828	INC
NORTHWEST	13	SR 826/PALMETTO EXPY	NW 62 ST	NORTH OF FEC RR	ADD 2 LANES TO 8 AND RECONSTRUCT	6113829	RRU, CST, INC
NORTHWEST	14	SR 826/PALMETTO EXPY	NORTH OF FEC RR	S. OF NW 103 ST	ADD 2 LANES TO 8 AND RECONSTRUCT	6113830	RRU, CST, INC
NORTHWEST	23	SR 90/SW 8 ST	W. OF SW 137 AVE	SW 152 AVE	ADD 2 LANES TO 4 AND RECONSTRUCT	2497042	CST
NORTHWEST	24	SR 934 / HIALEAH EXWY	SR 826/ PALMETTO EXPY	SR 823 / NW 57 AVE	ADD 2 LANES TO 4 AND RECONSTRUCT	6114162	PE, RRU, CST
NORTHWEST	25	SR 985 / NW 107 AVE	NW 7 ST	SR 836	ADD 2 LANES TO 4 AND RECONSTRUCT	2497712	CST, INC
NORTHWEST	27	HEFT	DEDICATED LANES	AT OKEECHOBEE PLAZA	TOLL PLAZA		
NORTHWEST	29	NW 12 STREET	NW 117 AVE	NW 107 AVE	4 LANES AND 6 LANES (DESIGN AND CONST BY DEVELOPER) NEW 6 LANES (DESIGN BY DEVELOPER, CONST BY COUNTY)	671159	CST
NORTHWEST	30	NW 41 ST	HEFT	NW 107 AVE	4 TO 6 LANES (CONSTRUCTION COMPLETED)	662348	CST Completed
NORTHWEST	31	NW 58 ST	NW 107 AVE	NW 102 AVE	WIDEN FROM 2 TO 4 LANES(R/W + DESIGN BY DEVELOPER)	671110	CST
NORTHWEST	32	NW 72 AVE	NW 74 ST	OKEECHOBEE ROAD	2 TO 4 LANES & BRIDGE	671110	CST
NORTHWEST	33	NW 74 ST	HEFT	NW 84 AVE	NEW 2 LANES (R/W BY DEVELOPER)	663013	CST, AF
NORTHWEST	34	NW 97 AVE	BRIDGE OVER SR 836		CONSTRUCT 4-LANE BRIDGE AND APPROACHES (DESIGN COMPLETED)	671128	CST
NORTHWEST	35	NW 97 AVE	NW 25 ST	NW 41 ST	WIDEN FROM 2 TO 4 LANES (R/W BY DEVELOPER)	671128	CST
NORTHWEST	38	NW 95 ST	NW 27 AVE	NW 7 AVE	RECONSTRUCT 4 LANES & ADD TURN LANE (DESIGN COMPLETED IN SECONDARY)	662358	CST
NORTHWEST	39	NW 17 AVE.	NW 119 ST.	OPALOCKA BOULEVARD	WIDEN TO 5 LANES (DESIGN COMPLETED)	671308	CST
NORTHWEST	40	NW 47 AVE.	SR 826 / PALMETTO EXPRESSWAY	NW 183 ST.	WIDEN TO 5 LANES (CONSTRUCTION COMPLETED)	662281	CST Completed
NORTHWEST	41	NW 87 AVE	NW 138 ST	NW 154 ST	BRIDGE OVER I-75 AND APPROACHES (DESIGN COMPLETED) New 4Lane	671311	CST

YEAR 2025 TRANSPORTATION PLAN
MINIMUM REVENUE PLAN - HIGHWAY AND TRANSIT PROJECTS
PRIORITY I PROJECTS
2000 - 2005
Projects anticipated to be open to traffic by December 31, 2005

(Projects fully-funded in the approved FY 2002-2006 Transportation Improvement Program are considered Priority I projects and are not shown in this list)

Area	Project ID	Project or Facility	Limits		Project Description	FDOT/Miami-Dade Co. Proj. #	Current TIP Phase†
			From	To			
NORTHWEST	42	NW 87 AVE	NW 154 ST	NW 186 ST	2 TO 4 LANES (DESIGN COMPLETED) (R/W BY DEVELOPER)	671310	CST
NORTHWEST	43	NW 12 ST	NW 137 AVE	NW 117 AVE	2 TO 4 LANES (DESIGN AND CONSTRUCTION BY DEVELOPER)		
NORTHWEST	44	SW 147 AVE	SW 42 ST	SW 26 ST	WIDEN FROM 2 TO 4 LANES (UNDER CONSTRUCTION)	671479	CST
NORTHWEST	47	W 137 AVE	SW 8 ST	NW 12 ST	NEW 6 LANES (UNDER DESIGN)	662446	Design
NORTHWEST	52	W 60 ST	WEST 28 AVE SR 826	SR 826 WEST 12 AVE	DESIGN COMP. R/W BY CITY OF HIALEAH WIDEN. TO 4 LANES WITH CROSSING UNDER SR 826 WIDEN TO 4 LANES (UNDER CONSTRUCTION)	671914	CST
NORTHWEST	54	SR 836	NW 107th AVE	SW 8TH ST.	IMPROVE EXISTING WB SR836 TO SB HEFT CONNECTION BY ADDING 1 LANE TO 2-LANE RAMP		
NORTHWEST	56	SR 924/GRATIGNY PKWY	AT TOLL PLAZA		ADD A SECOND AVI LANE IN EACH DIRECTION		
NORTHWEST	57	SR 836	HEFT	NW 137 AVE	EXPAND AND EXTEND 6 LANES OF SR 836 TO NW 137 AVE	836-005	PD, DES, ROW, CST
NORTHWEST	58	NW 74 ST	NW 84 AVE	SR 826/ PALMET EXWY	WIDEN TO 5 LANES (DESIGN COMPLETED)	663013	CST, AF
NORTHWEST	61	NW 62 Street	OKEECHOBEE RD	NW 47 AVE	4 LANES		
NORTHWEST	134	HEFT	SR 836	I-75	4 TO 6 LANES		
NORTHWEST	137	SR 826 - HOV	SW 32 ST	SOUTH OF 103 ST	ONE HOV LANE EACH DIRECTION & INTERCHANGE IMPR		
NORTHWEST		SR 826 E-W, ITS PH1	NW 154 ST	GOLDEN GLADES	ITS SURVEILLANCE SYSTEM	2497192	PE, CST
NORTHWEST		SR 836 - ICS	HEFT	LEJUNE	INTELLIGENT CORRIDOR SYSTEM		
SOUTH	5	SW 117 AVE	SW 184 ST	SW 152 ST	2 to 4 LANES	4105111	CST
SOUTH	26	SR 997 / KROME AVE	AT SW 272, 256, 192, 168, 136 ST INTERSECTION		ADD TURN LANES	2496142	PE, ROW, CST
SOUTH	49	SW 137 AVE	SW 184ST	SW 152 ST	WIDEN FROM 2 TO 6 LANES (UNDER CST)	662410	CST
SOUTH	50	SW 184 ST	147 AVE	SW 127 AVE	2 TO 4 LANES (R/W BY DEVELOPER, UNDER DESIGN)	671572	CST
SOUTH	51	SW 184 ST	US-1	FRANJO ROAD	WIDEN TO 5 LANES (CST COMP.)	662257	Under CST
SOUTH	98	HEFT	AT CAMPBELL		INTERCHANGE IMPROVEMENT		
WEST	22	SR 90/SW 8 ST	SW 127 AVE	E. OF SW 137 AVE	ADD 2 LANES TO 4 AND RECONSTRUCT	6113881	CST, INC
WEST	36	SW 97 AVE	SW 40 ST	SW 8 ST	WIDEN FROM 2 TO 3 LANES (DESIGN COMPLETED)	610040	CST
WEST	37	SW 97 AVE	SW 72 ST	SW 40 ST	WIDEN FROM 2 TO 3 LANES (UNDER DESIGN)	671135	CST
WEST	45	SW 104 ST	SW 154 AVE/HAMMOCK BLVD	SW 137 AVE	4 TO 6 LANES (DESIGN COMPLETED)	671508	CST
WEST	46	SW 120 ST	SW 157 AVE	SW 150 AVE	NEW 2 LANES	671575	PE, CST

YEAR 2025 TRANSPORTATION PLAN
MINIMUM REVENUE PLAN - HIGHWAY AND TRANSIT PROJECTS
PRIORITY I PROJECTS
2000 - 2005
Projects anticipated to be open to traffic by December 31, 2005
(Projects fully-funded in the approved FY 2002-2006 Transportation Improvement Program are considered Priority I projects and are not shown in this list)

Area	Project ID	Project or Facility	Limits		Project Description	FDOT/Miami-Dade Co. Proj. #	Current TIP Phase[†]
			From	To			
WEST	48	SW 137 AVE	SW 56 ST	SW 42 ST	WIDEN FROM 4 TO 6 LANES (UNDER CST)	671509	Under CST
WEST	62	SW 24 ST/CORAL WAY	SW 87 AVE	SW 77 AVE	ADD 1 LANE EB AND WB, WIDEN BRIDGE (UNDER DESIGN)	662320	AF

[†]Current FY 2002-2006 TIP Phase
- AF - Advanced Funding
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- INC - Alternative Contracting Incentives
- MSC - Miscellaneous Grant
- PDE - Project Development & Environmental
- PE - Preliminary Engineering
- ROW - Right of Way
- RRU - Railroad

YEAR 2025 TRANSPORTATION PLAN
MINIMUM REVENUE PLAN - HIGHWAY AND TRANSIT PROJECTS
PRIORITY I PROJECTS
2006 - 2010
Projects anticipated to be open to traffic by December 31, 2010

(Projects fully-funded in the approved FY 2002-2006 Transportation Improvement Program are considered Priority I projects and are not shown in this list)

Area	Project ID	Project or Facility	Limits		Project Description	FDOT/Miami-Dade Co. Proj. #	Current TIP Phase[1]
			From	To			
COUNTYWIDE	321	ADV TRAFFIC MGMT SYS / SIG UPGRADE			TRAFFIC SIGNAL SYSTEM UPGRADE		
COUNTYWIDE	403	BICYCLE / PEDESTRIAN PROJECTS					
COUNTYWIDE	1029, 1030	BUS PURCHASES			NEW AND REPLACEMENT BUSES		
COUNTYWIDE	1020, 1021	PARK AND RIDE LOTS					
COUNTYWIDE	600	SUNPASS SYSTEM ENHANCEMENT					
BEACH/CBD	1019	FLAGLER MARKETPLACE PASSENGER ACTIVITY CENTER					
BEACH/CBD	135	I-95	AT NW 8TH ST		PORT / CBD TRUCK ACCESS RAMPS SB NW 3RD AVE NB ON-RAMP		
CENTRAL	1013	EARLINGTON HEIGHTS - AIRPORT CONNECTION			PREMIUM TRANSIT		
CENTRAL	700	SR 112	NW 21ST ST	NW 27TH AVE	RECONSTRUCT INTERCHANGE, BUILD NEW RAMPS, ACCUIRE ROW FOR MIC/MIA		
CENTRAL	704	SR 112 / INTERCONNECTOR	NW 18TH ST	NW 27TH AVE	NEW EXPRESSWAY CONNECTING SR 836 AND SR 112		
CENTRAL	701	SR 836	NW 107TH AVE	NW 37TH AVE	CONSTRUCTION OF EXPRESS LANES		
CENTRAL	702	SR 836	LE JEUNE RD	NW 37TH AVE	CONSTRUCT WB RAMP	4056641	CST
CENTRAL	703	SR 836	NW 72ND AVE	NW 37TH AVE	CONSTRUCTION OF INTERCHANGE IMPROVEMENTS AT NW 57TH AVE AND LE JEUNE RD		
CENTRAL	705	NW 42ND AVE	SR 836	NW 18TH ST	CD ROAD FOR INTERCONNECTOR		
NORTH	1013	EARLINGTON HEIGHTS - AIRPORT CONNECTION			PREMIUM TRANSIT		
NORTH	135	I-95	AT NW 8TH ST		PORT / CBD TRUCK ACCESS RAMPS SB NW 3RD AVE NB ON-RAMP		
NORTH	325	SR 826 - ICS			INTELLIGENT CORRIDOR SYSTEM		
NORTH	1026	GOLDEN GLADES MULTIMODAL TERMINAL				6141916	CST
NORTH	1018	NORTHEAST MIAMI-DADE COUNTY PASSENGER ACTIVITY CENTER					
NORTHWEST	102	HEFT	AT 74 ST		INTERCHANGE (MAJOR)	4061041	PDE, PE
NORTHWEST	90	NW 25 ST	NW 87 AVE	SR 826 / NW 77 AVE	ADD LANES AND RECONSTRUCT (ADD 1 TO EXISTING 5 LANES)	6123194	ROW
NORTHWEST	325	SR 826 - ICS			INTELLIGENT CORRIDOR SYSTEM		
NORTHWEST	701	SR 836	NW 107TH AVE	NW 37TH AVE	CONSTRUCTION OF EXPRESS LANES		
SOUTH	101	HEFT	GOVERNMENT CENTER (US 1)	SR 874 (MP18)	6 LANES PLUS 4 AUXILIARY LANES	4060961	PDE, PE
WEST	325	SR 826 - ICS			INTELLIGENT CORRIDOR SYSTEM		

YEAR 2025 TRANSPORTATION PLAN
MINIMUM REVENUE PLAN - HIGHWAY AND TRANSIT PROJECTS
PRIORITY I PROJECTS
2006 - 2010
Projects anticipated to be open to traffic by December 31, 2010
(Projects fully-funded in the approved FY 2002-2006 Transportation Improvement Program are considered Priority I projects and are not shown in this list)

Area	Project ID	Project or Facility	Limits		Project Description	FDOT/Miami-Dade Co. Proj. #	Current TIP Phase[1]
			From	To			
WEST	103	HEFT	AT SW 8 ST		INTERCHANGE MODIFICATION		
WEST	1024	WEST DADE TRANSIT HUB					

[1]Current FY 2002-2006 TIP Phase
AF - Advanced Funding
CST - Construction & Construction Engineering Inspection
INC - Alternative Contracting Incentives
MSC - Miscellaneous Grant
PDE - Project Development & Environmental
PE - Preliminary Engineering
ROW - Right of Way
RRU - Railroad

YEAR 2025 TRANSPORTATION PLAN
MINIMUM REVENUE PLAN - HIGHWAY AND TRANSIT PROJECTS
PRIORITY II PROJECTS
2011 - 2015
Projects anticipated to be open to traffic by December 31, 2015

Area	Project ID	Project or Facility	Limits		Project Description	FDOT/Miami-Dade Co. Proj. #	Current TIP Phase[7]
			From	To			
COUNTYWIDE	403	BICYCLE / PEDESTRIAN PROJECTS					
COUNTYWIDE	1030	BUS PURCHASES			REPLACEMENT BUSES		
BEACH / CBD	1007	MIAMI BEACH TO CBD			PREMIUM TRANSIT		
BEACH / CBD	180	NE 183 ST	NE 6 AVE	US-1	4 TO 6 LANES		
BEACH / CBD	1012	NORTHEAST DADE TRANSIT CORRIDOR			PREMIUM TRANSIT		
BEACH / CBD	106	PORT BOULEVARD ACCESS IMPROVEMENTS			U-TURN	662470	Under Study
CENTRAL	129	NW 21 ST / NW 32 AVE BRIDGE	NW 37 AVE	NW 28 STREET	CONSTRUCT BRIDGE	6123221	PE
CENTRAL	122	SW 80TH ST	SW 72 AV	US 1 / S DIXIE	WIDEN 2 TO 5 LANES	610022	CST
NORTH	1008	NORTH MIAMI-DADE TRANSIT CORRIDOR - MLK TO BROWARD CO.			PREMIUM TRANSIT		
NORTH	137	NW 17 AVE	NW 103 STREET	NW 119 STREET	4 LANES	671267	AF
NORTH	129	NW 21 ST / NW 32 AVE BRIDGE	NW 37 AVE	NW 28 STREET	CONSTRUCT BRIDGE	6123221	PE
NORTH	1012	NORTHEAST DADE TRANSIT CORRIDOR			PREMIUM TRANSIT		
NORTHWEST	157	NW 107 AVE	NW 41 ST	NW 25 ST	4 TO 6 LANES		
NORTHWEST	116	NW 122 ST	OKEECHOBEE RD.	NW 87 AVE	WIDEN 2 TO 5 LANES	610156	Under Design
NORTHWEST	114	NW 138 ST	NW 107 AVE	NW 97 AVE	WIDEN TO 2 TO 5 LANES	671915	Under Study
NORTHWEST	91	NW 87 AVE	NW 58 ST	NW 74 ST	NEW ROAD CONSTRUCTION	4056152	PE
NORTHWEST	92	NW 87 AVE	NW 74 ST	OKEECHOBEE RD	NEW ROAD CONSTRUCTION	4056153	PE
NORTHWEST	93	SR 823 / NW 57 AVE	SR 934 /W 21 ST	SR 932 / W 49 ST	ADD 2 LANES TO 4 AND RECONSTRUCT	2499412	ROW
NORTHWEST	94	SR 823 / NW 57 AVE	OKEECHOBEE RD.	SR 954 / W 21 ST	ADD 2 LANES TO 4 AND RECONSTRUCT	2499413	PE, ROW
NORTHWEST	95,505	SR 826 & SR 836 INT	SW 2 ST	SOUTH OF NW 25 ST	MAJOR INTERCHANGE IMPROVEMENT	6113758	ROW
NORTHWEST	112	WEST 68 ST	WEST 21 COURT	WEST 19 COURT	ADD LANE ON SOUTH SIDE	671982	Under Design; CST not funded
SOUTH	175	SW 120 ST	SW 137 AVE	SW 117 AVE	4 TO 6 LANES		
SOUTH	159	SW 137 AVE	SW 184 ST	US-1	2 TO 4 LANES / NEW 4 LANE		
SOUTH	185	SW 157 AVE*	SW 112 ST	SW 152 ST	NEW 4 LANE		
SOUTH	141	US 1 SOUTH	CARD SOUND RD	MONROE CO. LINE (N OF JEWFISH CK)	2 TO 4 LANES		
WEST	1010	KENDALL CORRIDOR	SR 821	SW 157 AVE	PREMIUM TRANSIT		
WEST	123	SW 117 AVE	SW 40 ST	SW 8 ST	WIDEN 2 TO 4 LANES	671129	PE, CST

YEAR 2025 TRANSPORTATION PLAN
MINIMUM REVENUE PLAN - HIGHWAY AND TRANSIT PROJECTS
PRIORITY II PROJECTS
2011 - 2015
Projects anticipated to be open to traffic by December 31, 2015

Area	Project ID	Project or Facility	Limits		Project Description	FDOT/Miami-Dade Co. Proj. #	Current TIP Phase[†]
			From	To			
WEST	152	SW 137 AVE	SW 8 ST	SW 26 ST	4 TO 6 LANES		
WEST	185	SW 157 AVE*	SW 112 ST	SW 152 ST	NEW 4 LANE		
WEST	122	SW 80TH ST	SW 72 AV	US 1 / S DIXIE	WIDEN 2 TO 5 LANES	610022	CST
WEST	153	SW 97 AVE	SW 72 ST	SW 40 ST	2 TO 4 LANES	671135	CST

* CDMP amendment needed.

[†]Current FY 2002-2006 TIP Phase
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INC - Alternative Contracting Incentives
MSC - Miscellaneous Grant
PDE - Project Development & Environmental
PE - Preliminary Engineering
ROW - Right of Way
RRU - Railroad

YEAR 2025 TRANSPORTATION PLAN
MINIMUM REVENUE PLAN - HIGHWAY AND TRANSIT PROJECTS
PRIORITY III PROJECTS
2016 - 2020
Projects anticipated to be open to traffic by December 31, 2020

Area	Project ID	Project or Facility	Limits		Project Description	FDOT/Miami-Dade Co. Proj. #	Current TIP Phase[7]
			From	To			
COUNTYWIDE	403	BICYCLE / PEDESTRIAN PROJECTS					
COUNTYWIDE	1030	BUS PURCHASES			REPLACEMENT BUSES		
BEACH / CBD	134	I-95	GOLDEN GLADES INTERCHANGE	IVES DAIRY RD	CONVERT HOV TO REVERSIBLE HOV / HOT LANES		
BEACH / CBD	133	SEAPORT TUNNEL EXPRESSWAY	I-395	SEAPORT	TUNNEL CONNECTING SEAPORT TO I-395 (4 LANES)		
BEACH / CBD	97	SR 836 / I-395	WEST OF NW 17 AVE	EAST OF I-95	CORRIDOR IMPROVEMENT; C-D ROAD		
BEACH / CBD	504	SR 836 / I-395	EAST OF I-95	MACARTHUR CSWY	ADD LANES / C-D ROADS		
BEACH / CBD	706	SR 836 / I-95 INTERCHANGE	NW 17TH AVE	I-95	INTERCHANGE IMPROVEMENTS	6141919	PE
CENTRAL	105	CENTRAL PARKWAY	SR112	SR 924	NEW EXP. CONNECTING SR 836, SR 112, SR 924, AND SR 836 CONSTRUCT INTERCHANGES AT NW 54 ST, NW 79 ST, NW 103 ST, AND GRATIGNY PKWY	TBD-004	PD, PDE, PCR
NORTH	105	CENTRAL PARKWAY	SR112	SR 924	NEW EXP. CONNECTING SR 836, SR 112, SR 924, AND SR 836 CONSTRUCT INTERCHANGES AT NW 54 ST, NW 79 ST, NW 103 ST, AND GRATIGNY PKWY	TBD-004	PD, PDE, PCR
NORTH	172	I-195	NW 10TH AVE	BISCAYNE BAY	INTERCHANGE IMP. AUXILIARY LANES AT RAMPS AND LOCAL STREET IMPROVEMENTS		
NORTH	134	I-95	GOLDEN GLADES INTERCHANGE	IVES DAIRY RD	CONVERT HOV TO REVERSIBLE HOV / HOT LANES		
NORTH	504	SR 836 / I-395	EAST OF I-95	MACARTHUR CSWY	ADD LANES / C-D ROADS		
NORTH	97	SR 836 / I-395	WEST OF NW 17 AVE	EAST OF I-95	CORRIDOR IMPROVEMENT; C-D ROAD		
NORTH	117	NW 37 AVE	NW NORTH RIVER DRIVE	NW 79 ST	WIDEN 2 TO 5 LANES		
NORTH	706	SR 836 / I-95 INTERCHANGE	NW 17TH AVE	I-95	INTERCHANGE IMPROVEMENTS	6141919	PE
NORTHWEST	501	KROME AVE	US 1	SW 8TH ST	ACCESS MGT. / SAFETY / TRAIL	2496141	PDE
NORTHWEST	105	CENTRAL PARKWAY	SR112	SR 924	NEW EXP. CONNECTING SR 836, SR 112, SR 924, AND SR 836 CONSTRUCT INTERCHANGES AT NW 54 ST, NW 79 ST, NW 103 ST, AND GRATIGNY PKWY	TBD-004	PD, PDE, PCR
NORTHWEST	115	WEST 76 ST	WEST 36 AVE	WEST 20 AVE	WIDEN 2 TO 5 LANES	671952	Under Design; CST unfunded
NORTHWEST	113	NW 107 AVE	OKEECHOBEE ROAD	NW 138 ST.	WIDEN TO 2 TO 5 LANES	671915	Under Study
NORTHWEST	118	NW 72 AVE	NW 122 ST	NW 138 ST.	WIDEN 2 TO 3 LANES	610155	PE, CST, RW
NORTHWEST	145	NW 82 AVE	NW 8 ST	NW 12 ST	NEW 4 LANE		
NORTHWEST	148	NW 97 AVE	NW 58 ST	NW 74 ST	2 TO 4 LANES		
NORTHWEST	506, 507	SR 826 & SR 836 INT	SW 2 ST	S. OF NW 25 ST	MAJOR INTERCHANGE IMPROVEMENT	6113758	ROW
NORTHWEST	205	SW 82 AVE	SW 7 ST	SW 8 ST	BRIDGE OVER TAMIAMI CANAL		
NORTHWEST	126	W 127 AVE	SW 8 ST	NW 12 ST	WIDEN 2 TO 4 LANES	662439	PE CST
SOUTH	500	KROME AVE	US 1	SW 296 ST	TRUCK BY-PASS / WIDEN 2 TO 4 LANES		
SOUTH	501	KROME AVE	US 1	SW 8TH ST	ACCESS MGT. / SAFETY / TRAIL	2496141	PDE
SOUTH	88	SR 874	HEFT	SR 826	EXPRESS LANE		

YEAR 2025 TRANSPORTATION PLAN
MINIMUM REVENUE PLAN - HIGHWAY AND TRANSIT PROJECTS
PRIORITY III PROJECTS
2016 - 2020
Projects anticipated to be open to traffic by December 31, 2020

Area	Project ID	Project or Facility	Limits		Project Description	FDOT/Miami-Dade Co. Proj. #	Current TIP Phase[†]
			From	To			
SOUTH	89	SR 874	SW 120 STREET	SW 117 AVE	PROVIDE SB OFF RAMP, NB ONRAMP AND INSTALL NOISE ATTENUATION WALLS	874-008	MDX Partially funded
SOUTH	178	SW 87 AVE	SW 168 ST	SW 216 ST	2 TO 4 LANES		
SOUTH	107	SW 320 ST / MOWRY DR	SW 187 AVE	US 1 / S. DIXIE HWY.	WIDEN TO 3 LANES	671615	Design Completed; ROW
WEST	168	HEFT	SNAPPER CREEK PL	NW 107 AVE/SR 836	EXPRESS LANES		
WEST	501	KROME AVE	US 1	SW 8TH ST	ACCESS MGT. / SAFETY / TRAIL	2496141	PDE
WEST	88	SR 874	HEFT	SR 826	EXPRESS LANE		
WEST	205	SW 82 AVE	SW 7 ST	SW 8 ST	BRIDGE OVER TAMIAMI CANAL		
WEST	191	SW 120 ST*	SW 137 AVE	SW 147 AVE	4 TO 6 LANES		
WEST	201	SW 16 ST	SW 82 AVE	SW 71 AVE	OVERPASS ACROSS 826		
WEST	119	SW 24 ST	SW 107 AVE	SW 87 AVE	WIDEN 4 TO 6 LANES	671107	PE, CST
WEST	120	SW 24 ST	SW 117 AVE	SW 107 AVE	WIDEN 4 TO 6 LANES		
WEST	202	SW 47TH / 48TH ST	SW 112 AVE	SW 122 AVE	OVERPASS ACROSS HEFT		
WEST	190*	SW 72 ST*	SW 117 AVE	SW 157 AVE	4 TO 6 LANES		
WEST	126	W 127 AVE	SW 8 ST	NW 12 ST	WIDEN 2 TO 4 LANES	662439	PE CST

* CDMP amendment needed.

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MSC - Miscellaneous Grant
PDE - Project Development & Environmental
PE - Preliminary Engineering
ROW - Right of Way
RRU - Railroad

YEAR 2025 TRANSPORTATION PLAN
MINIMUM REVENUE PLAN - HIGHWAY AND TRANSIT PROJECTS
PRIORITY IV PROJECTS
2021 - 2025
Projects anticipated to be open to traffic by December 31, 2025

Area	Project ID	Project or Facility	Limits		Project Description	FDOT/Miami-Dade Co. Proj. #	Current TIP Phase[1]
			From	To			
COUNTYWIDE	403	BICYCLE / PEDESTRIAN PROJECTS					
COUNTYWIDE	1030	BUS PURCHASES			REPLACEMENT BUSES		
BEACH / CBD	511	I-95	SOUTH OF I-395	NORTH OF SR 112	I-95 MASTER PLAN: ADD HOV / HOT LANE		
BEACH / CBD	1027	MIAMI BEACH TRANSIT HUB					
CENTRAL	150	PERIMETER RD	NW 20 ST	NW 72 AVE	2 TO 4 LANES		
CENTRAL	1003	DADELAND SOUTH TO SW 104 ST			PREMIUM TRANSIT		
NORTH	402	I-95	NW 95 ST	NW 103 ST	NB AND SB C-D ROADS		
NORTH	510	I-95	NORTH OF SR 112	SOUTH OF GOLDEN GLADES INTERCHANGE	I-95 MASTER PLAN: CONVERT HOV TO REVERSIBLE HOV / HOT LANE		
NORTH	511	I-95	SOUTH OF I-395	NORTH OF SR 112	I-95 MASTER PLAN: ADD HOV / HOT LANE		
NORTHWEST	502	KROME AVE	SW 8TH ST	US 27	ACCESS MGT. / SAFETY / TRAIL		
NORTHWEST	130	NW 25TH ST VIADUCT	NW 68 AVE	NW 77 AVE	4 TO 6 LANES		
NORTHWEST	174	NW 170 ST	NW 77 AVE	NW 87 AVE	2 TO 4 LANES		
NORTHWEST	146	NW 87 AVE	NW 36 ST	NW 58 ST	4 TO 6 LANES		
SOUTH	1028	HOMESTEAD TRANSIT HUB					
SOUTH	121	SW 107 AVE	QUAIL ROOST DRIVE	SW 160 ST	WIDEN 2 TO 4 LANES	671571	PE, RW, CST
SOUTH	151	SW 137 AVE	US-1	HEFT	2 TO 4 LANES		
SOUTH	124	SW 147 AVE	SW 184 ST	SW 152 ST	ADD 2 LANES AND RESURFACE	671511	CST
SOUTH	176	SW 152 AVE	US-1	SW 312 ST	2 TO 4 LANES		
SOUTH	166	SW 184 ST	SW 157 AVE	SW 147 AVE	2 TO 4 LANES		
SOUTH	177	SW 200 ST	US-1	QUAIL ROOST DR	2 TO 4 LANES		
SOUTH	131	SW 268 ST / MOODY DR	US 1	SW 112 AVE	ADD TURN LANES	662285	PE, CST
SOUTH	125	SW 312 ST	SW 152 AVE	SW 137 AVE	WIDEN 2 TO 4 LANES		
SOUTH	128	SW 312 ST (PHASE 2)	SW 187 AVE	SW 177 AVE	WIDEN TO 5 LANES	671607	CST
SOUTH	109	SW 328 ST	US 1	SW 162 AVE	WIDEN TO 4 LANES	671605	Redesign required; CST unfunded
SOUTH	108	SW 328 ST	SW 162 AVE	SW 152 AVE	WIDEN TO 4 LANES	671617	Design; CST unfunded
SOUTH	1003	DADELAND SOUTH TO SW 104 ST			PREMIUM TRANSIT		

YEAR 2025 TRANSPORTATION PLAN
MINIMUM REVENUE PLAN - HIGHWAY AND TRANSIT PROJECTS
PRIORITY IV PROJECTS
2021 - 2025
Projects anticipated to be open to traffic by December 31, 2025

Area	Project ID	Project or Facility	Limits		Project Description	FDOT/Miami-Dade Co. Proj. #	Current TIP Phase[1]
			From	To			
WEST	169	SW 104 ST	SW 160 AVE	SW 167 AVE	NEW 4 LANE		
WEST	1003	DADELAND SOUTH TO SW 104 ST			PREMIUM TRANSIT		

[1]Current FY 2002-2006 TIP Phase
AF - Advanced Funding
CST - Construction & Construction Engineering Inspection
INC - Alternative Contracting Incentives
MSC - Miscellaneous Grant
PDE - Project Development & Environmental
PE - Preliminary Engineering
ROW - Right of Way
RRU - Railroad

YEAR 2025 TRANSPORTATION PLAN
MINIMUM REVENUE PLAN - HIGHWAY AND TRANSIT PROJECTS
DEVELOPER RESPONSIBILITY
2002 - 2025
Projects anticipated to be open to traffic by December 31, 2025

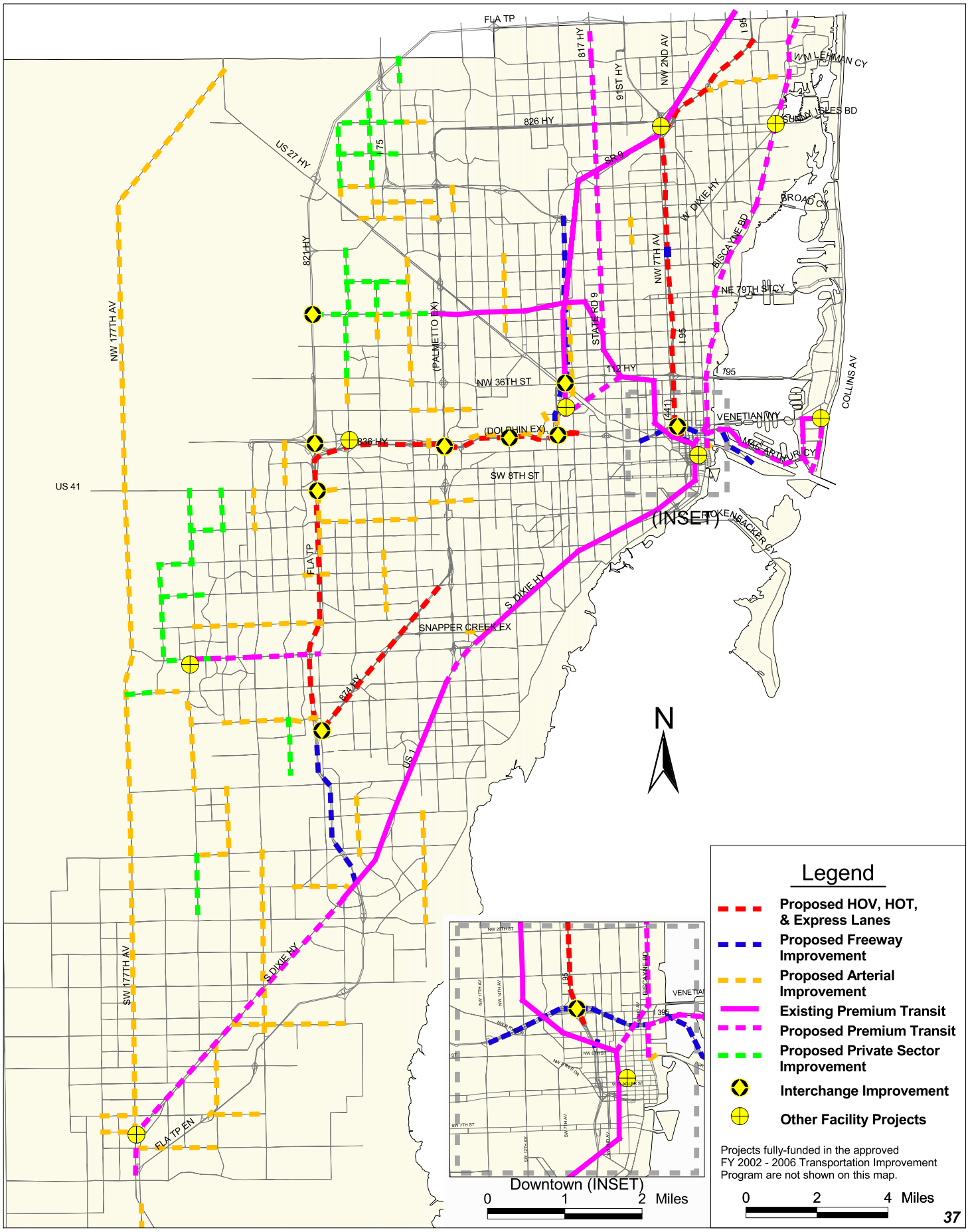
Area	Project ID	Project or Facility	Limits		Project Description	FDOT/Miami-Dade Co. Proj. #	Current TIP Phase[†]
			From	To			
BEACH / CBD	1002	NEW BASEBALL STADIUM METRORAIL STATION					
NORTHWEST	144	NW 107 AVE	NW 106 ST	NW 41 ST	NEW 4 LANE		
NORTHWEST	198	NW 107 AVE	NW 138 ST	NW 170 ST	NEW 2 LANE		
NORTHWEST	132	NW 74 ST	SR 826	HEFT	2 TO 4 LANES		
NORTHWEST	199	NW 154 ST	NW 87 AVE	NW 107 AVE	NEW 2 LANE		
NORTHWEST	200	NW 170 ST	NW 87 AVE	NW 107 AVE	NEW 2 LANE		
NORTHWEST	196	NW 87 AVE	NW 183 ST	COUNTY LINE	NEW 2-4 LANE		
NORTHWEST	147	NW 90 ST	NW 107 AVE	NW 87 AVE	NEW 2 LANE		
NORTHWEST	149	NW 97 AVE	NW 74 ST	NW 90 ST	NEW 4 LANE		
NORTHWEST	197	NW 97 AVE	NW 138 ST	NW 183 ST	2 LANE		
SOUTH	163	SW 157 AVE	SW 184 ST	SW 216 ST	NEW 2 LANE		
WEST	194	SW 104 ST	SW 167 AVE	SW 177 AVE	NEW 2 LANE		
WEST	158	SW 127 AVE	SW 120 ST	SW 144 ST	NEW 4 LANE		
WEST	186	SW 147 AVE	SW 8 ST	SW 26 ST	NEW 4 LANE		
WEST	183	SW 157 AVE	SW 8 ST	SW 42 ST	NEW 4 LANE		
WEST	165	SW 167 AVE	SW 56 ST	SW 88 ST	NEW 2 LANE		
WEST	187	SW 167 AVE	SW 40 ST	SW 56 ST	NEW 2 LANE		
WEST	188	SW 24 ST / CORAL WAY	SW 147 AVE	SW 157 AVE	NEW 4 LANE		
WEST	189	SW 40 ST	SW 157 AVE	SW 167 AVE	NEW 2 LANE		
SOUTH	170	SW 56 ST	SW 152 AVE	SW 157 AVE	2 TO 4 LANES		
SOUTH	171	SW 56 ST	SW 157 AVE	SW 167 AVE	NEW 2 LANE		
WEST	193	SW 88 ST / KENDALL DR	SW 162 AVE	SW 167 AVE	4 TO 6 LANES		
WEST	192	SW 88 ST / KENDALL DR	SW 150 AVE	SW 162 AVE	4 TO 6 LANES		
WEST	1033	WEST KENDALL TRANSIT HUB					

[†]Current FY 2002-2006 TIP Phase
AF - Advanced Funding
CST - Construction & Construction Engineering Inspection
INC - Alternative Contracting Incentives
MSC - Miscellaneous Grant
PDE - Project Development & Environmental
PE - Preliminary Engineering
ROW - Right of Way
RRU - Railroad

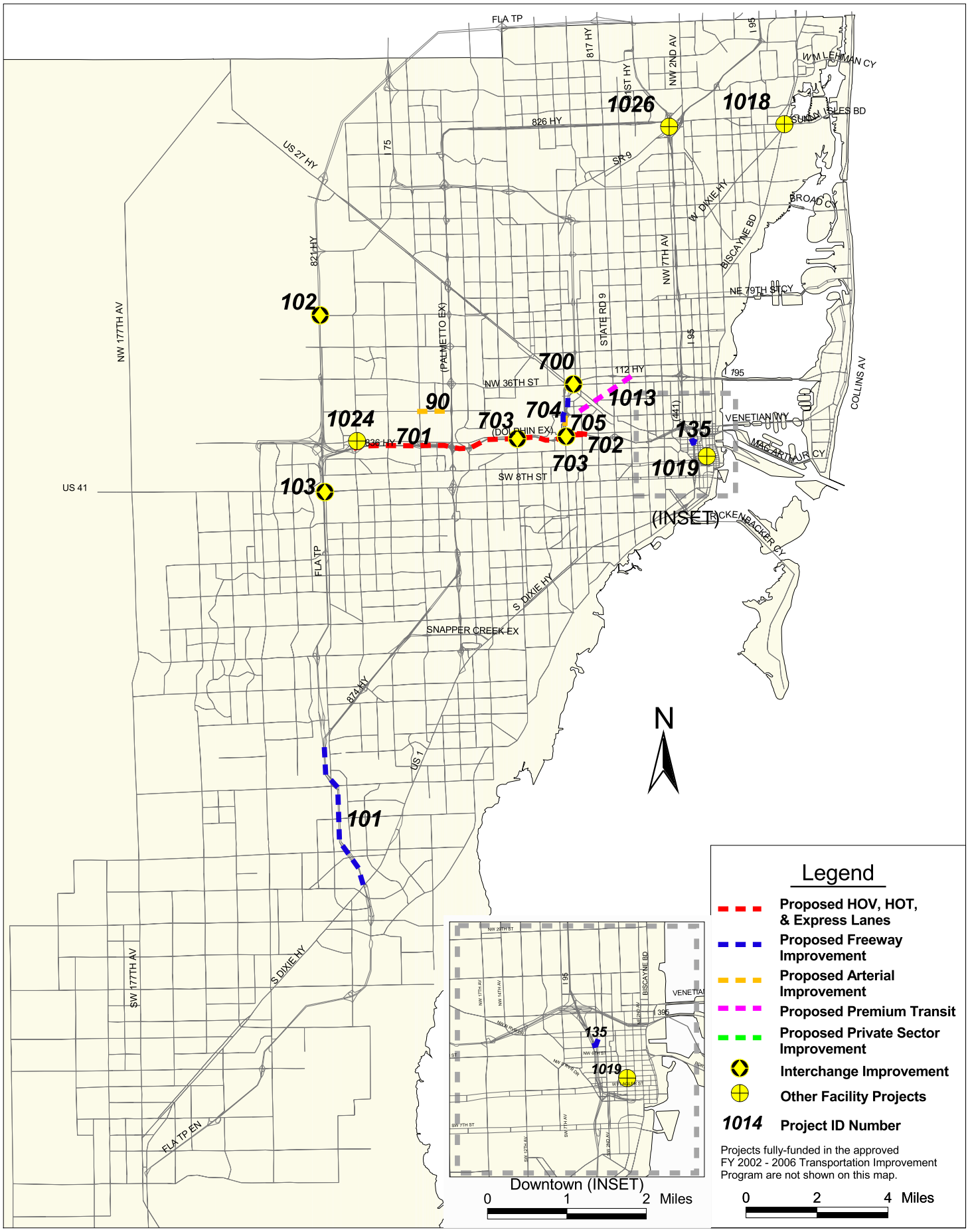
Appendix D

Year 2025 LRTP Minimum Revenue Plan Project Map

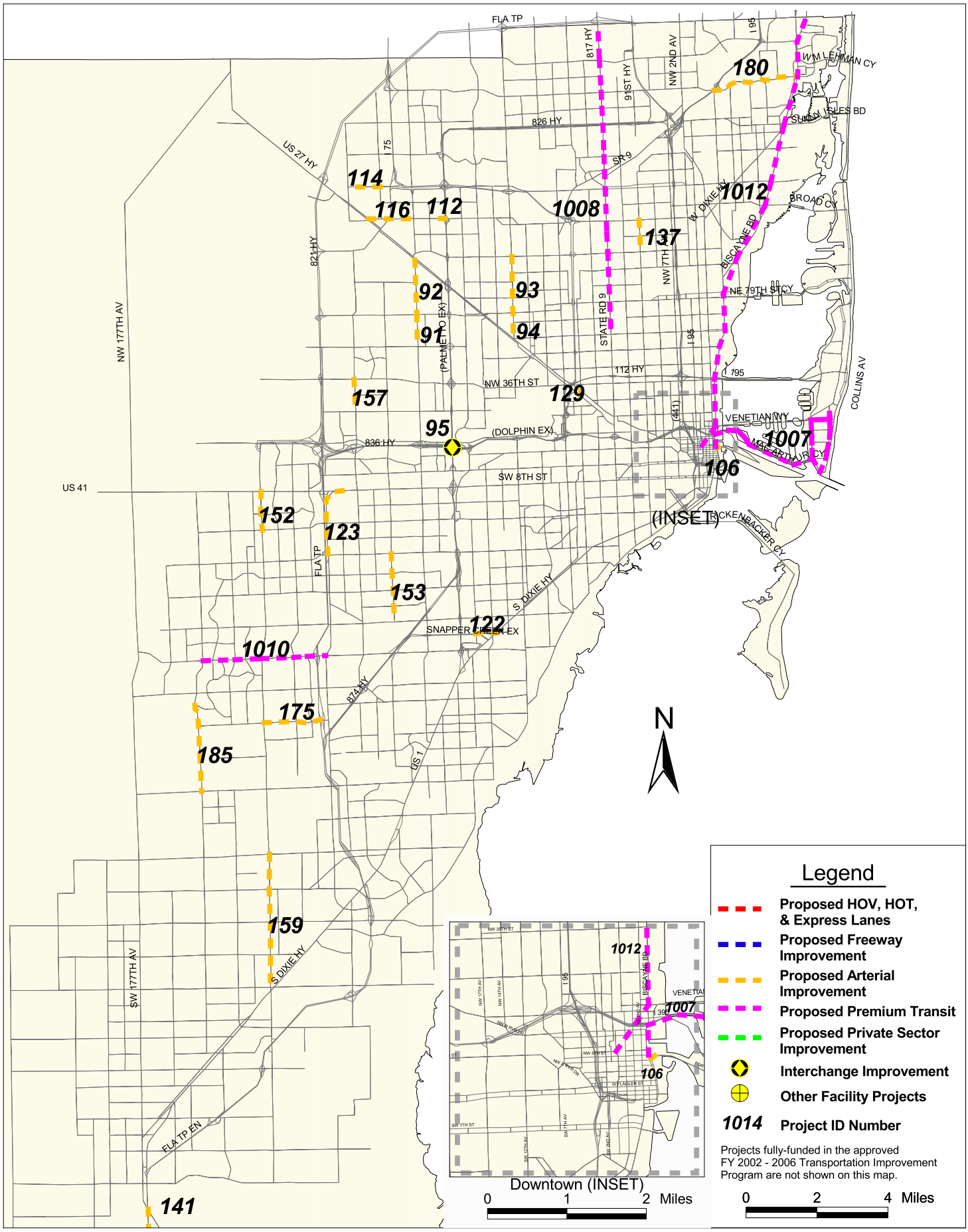
Year 2025 Transportation Plan
Minimum Revenue Plan - Highway and Transit Projects



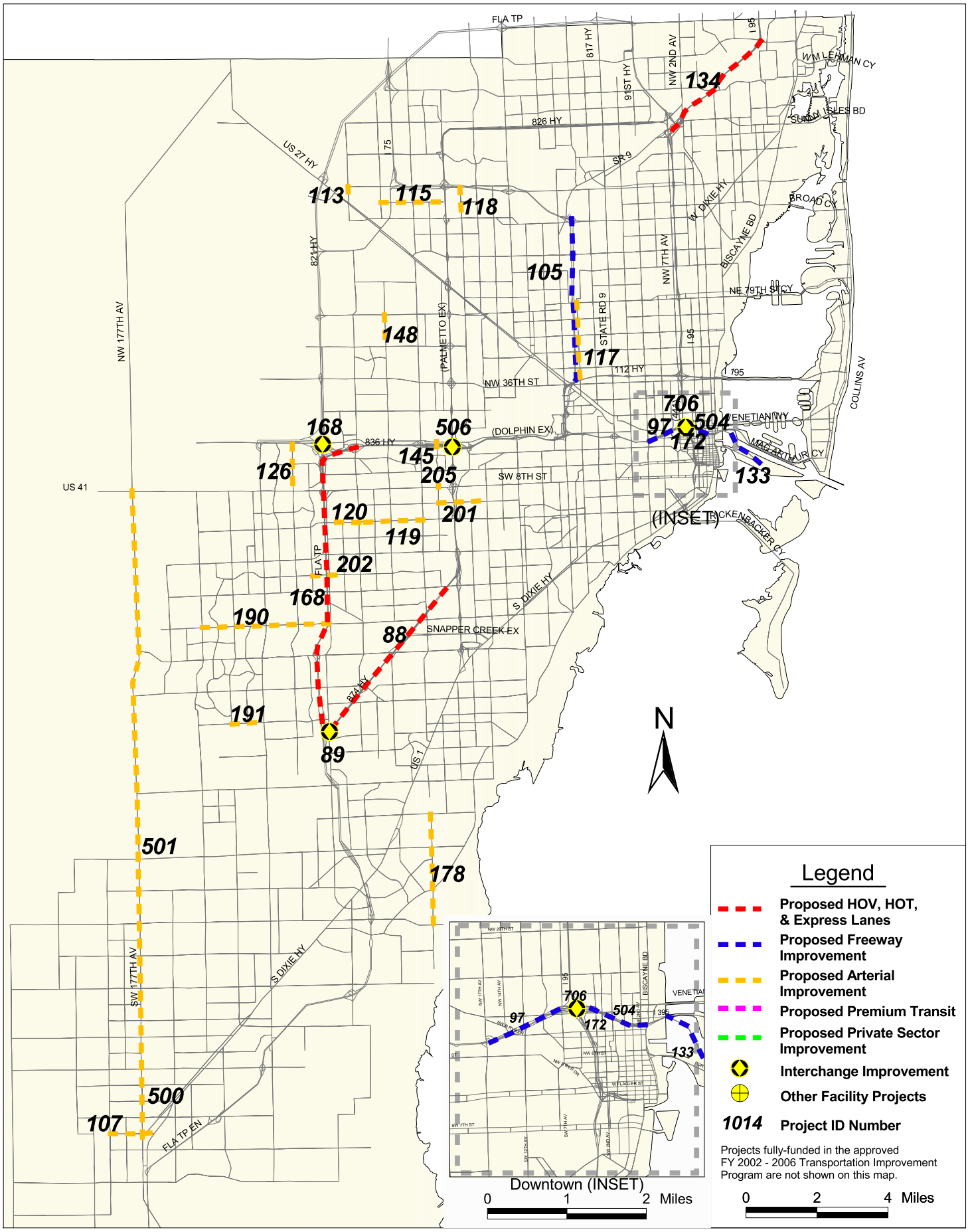
Year 2025 Transportation Plan - Priority I
Minimum Revenue Plan - Highway and Transit Projects



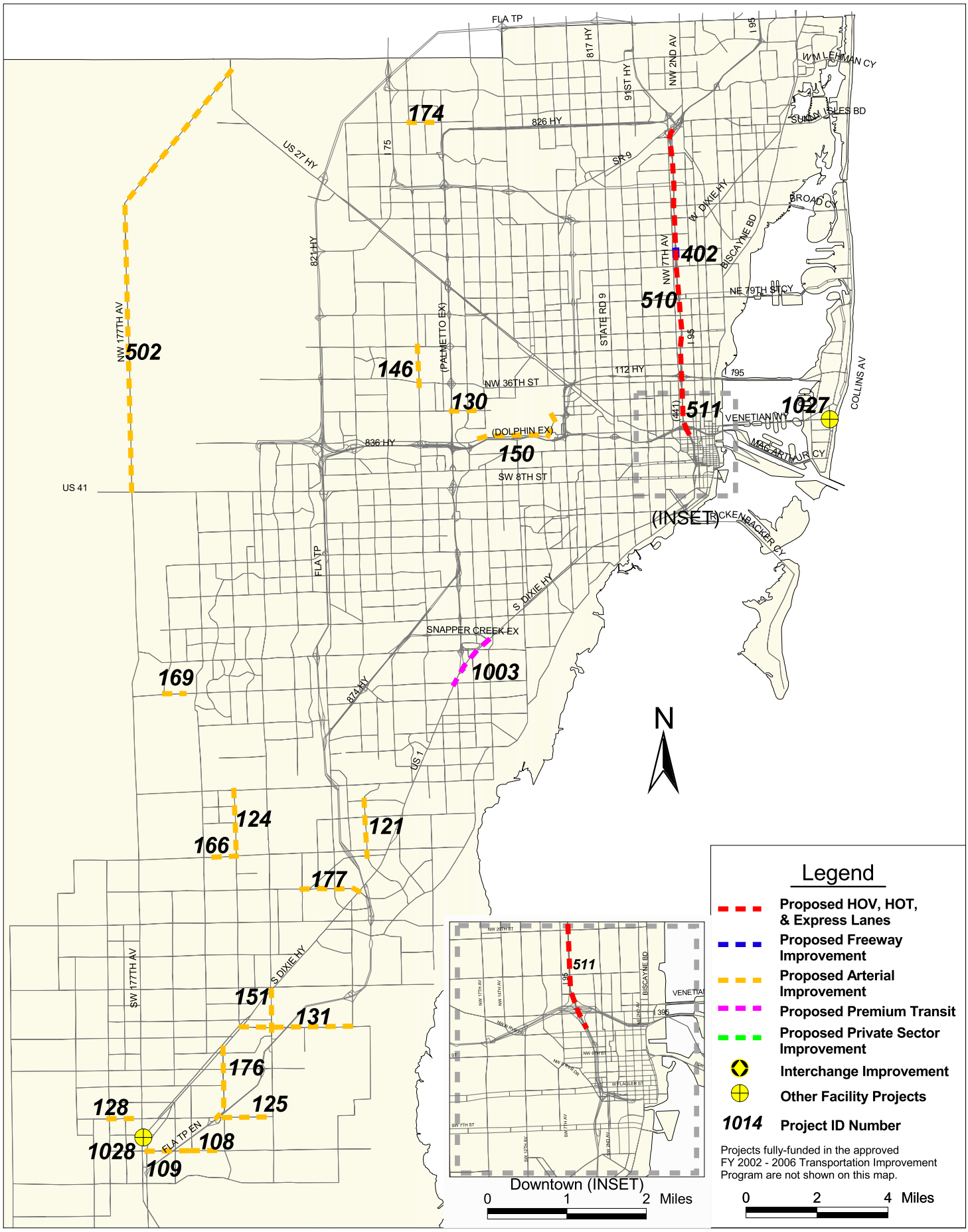
Year 2025 Transportation Plan - Priority II
Minimum Revenue Plan - Highway and Transit Projects



Year 2025 Transportation Plan - Priority III
Minimum Revenue Plan - Highway and Transit Projects



Year 2025 Transportation Plan - Priority IV
Minimum Revenue Plan - Highway and Transit Projects



Appendix E

Year 1999 EMIS.OUT and Supporting FSUTMS Reports/Files

Year 1999 Emissions Results

Year 1999 EMIS.OUT

```
1MOBILE5a FDOT: MIAMI 1999 VALIDATION (Includes NLEV Starting in 2001)
 MOBILE5a (26-Mar-93)
0
-M153 Error:
 Warning: Refueling emissions in grams-per-gallon are only available using the
120 column descriptive output option (OUTFMT = 3 or 5). See MOBILE5 Users
 Guide chapters 2.1.15, 2.1.19 and 2.1.20 for more information.
0              Emission Factor Modification Profile
+              ____________________________________
0Equation  Reg  Veh  Pol  First MY  Last MY    Base     DR           Altered
+________  ___  ___  ___  ________  _______    ____    ____          _______
     1      1    7    3     1990     1990     11.65     .00            Yes
     2      1    7    3     1991     1997      9.37     .00            Yes
     3      1    7    3     1998     2003      7.49     .00            Yes
     4      1    7    3     2004     2020      3.75     .00            Yes
0MTPM          FL
                     Minimum Temp: 69. (F)   Maximum Temp: 91. (F)
                     Period 1 RVP:  9.2      Period 2 RVP:  7.8 Period 2 Yr:
1992
0VOC HC emission factors include evaporative HC emission factors.
0_____________________________________________________________________________
_
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.:  3.0    3.0    3.0           3.0    3.0    3.0    3.0    3.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC: 11.20  12.92  18.37  14.61  23.25   1.41   1.91   4.76  11.68  12.06
 Exhst  HC:  6.30   8.04  11.82   9.22  12.09   1.41   1.91   4.76   8.64   7.18
 Evap.  HC:   .21    .27    .33    .29   1.78                         2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:  4.61   4.54   6.16   5.05   9.27                                4.53
 Rsting HC:   .06    .06    .06    .06    .10                           .41    .06
 Exhst  CO: 83.81 104.89 157.47 121.25 225.54   4.96   5.52  35.64 155.56  95.53
 Exhst NOX:  2.00   2.32   3.11   2.57   4.28   2.39   2.66  20.28    .85   3.45

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
```

```
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.:  6.0    6.0    6.0           6.0    6.0    6.0    6.0    6.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  5.15   6.05   8.51   6.82  13.64   1.21   1.64   4.08   8.17   5.81
 Exhst  HC:  3.46   4.40   6.41   5.02   9.24   1.21   1.64   4.08   5.13   4.12
 Evap.  HC:   .21    .27    .33    .29   1.78                         2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:  1.42   1.32   1.72   1.44   2.52                                1.35
 Rsting HC:   .06    .06    .06    .06    .10                          .41    .06
 Exhst  CO: 46.12  57.06  84.32  65.54 173.16   3.90   4.34  28.05  84.55  54.33
 Exhst NOX:  1.66   1.93   2.60   2.14   4.41   2.11   2.34  17.90    .75   2.96

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.:  9.0    9.0    9.0           9.0    9.0    9.0    9.0    9.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  3.68   4.30   5.96   4.82  10.55   1.05   1.42   3.53   6.60   4.21
 Exhst  HC:  2.51   3.16   4.54   3.59   7.17   1.05   1.42   3.53   3.56   3.02
 Evap.  HC:   .21    .27    .33    .29   1.78                         2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .90    .81   1.03    .88   1.49                                 .84
 Rsting HC:   .06    .06    .06    .06    .10                          .41    .06
 Exhst  CO: 33.51  40.95  59.18  46.62 135.60   3.12   3.47  22.44  54.67  39.60
 Exhst NOX:  1.55   1.80   2.43   2.00   4.55   1.88   2.10  16.00    .71   2.73

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 12.0   12.0   12.0          12.0   12.0   12.0   12.0   12.0
```

```
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  3.00   3.49   4.79   3.89   8.67    .91   1.24   3.08   5.80   3.44
 Exhst  HC:  2.03   2.54   3.62   2.87   5.65    .91   1.24   3.08   2.76   2.45
 Evap.  HC:   .21    .27    .33    .29   1.78                         2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .70    .62    .78    .67   1.14                                 .65
 Rsting HC:   .06    .06    .06    .06    .10                           .41    .06
 Exhst  CO: 27.23  32.97  46.73  37.25 108.31   2.54   2.83  18.25  39.92  31.92
 Exhst NOX:  1.49   1.74   2.35   1.93   4.68   1.71   1.90  14.49    .70   2.58

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 15.0   15.0   15.0          15.0   15.0   15.0   15.0   15.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  2.57   2.98   4.07   3.32   7.30    .80   1.09   2.71   5.34   2.94
 Exhst  HC:  1.74   2.17   3.07   2.45   4.52    .80   1.09   2.71   2.30   2.09
 Evap.  HC:   .21    .27    .33    .29   1.78                         2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .55    .48    .61    .52    .90                                 .51
 Rsting HC:   .06    .06    .06    .06    .10                           .41    .06
 Exhst  CO: 23.47  28.23  39.38  31.70  88.24   2.10   2.34  15.09  31.62  27.18
 Exhst NOX:  1.46   1.70   2.31   1.89   4.81   1.56   1.74  13.29    .72   2.47

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 18.0   18.0   18.0          18.0   18.0   18.0   18.0   18.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  2.25   2.62   3.57   2.91   6.27    .71    .96   2.40   5.05   2.58
 Exhst  HC:  1.55   1.92   2.70   2.16   3.67    .71    .96   2.40   2.01   1.84
```

```
 Evap.  HC:   .21    .27    .33    .29   1.78                        2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                  .00
 Runing HC:   .42    .36    .48    .40    .72                                  .39
 Rsting HC:   .06    .06    .06    .06    .10                          .41    .06
 Exhst  CO: 20.96  25.07  34.53  28.01  73.33   1.76   1.96  12.68  26.36  23.96
 Exhst NOX:  1.44   1.68   2.28   1.86   4.95   1.45   1.62  12.34    .76   2.39

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 21.0   21.0   21.0          21.0   21.0   21.0   21.0   21.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  2.00   2.35   3.20   2.61   5.51    .63    .86   2.14   4.84   2.30
 Exhst  HC:  1.38   1.72   2.42   1.94   3.02    .63    .86   2.14   1.81   1.64
 Evap.  HC:   .21    .27    .33    .29   1.78                        2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                  .00
 Runing HC:   .34    .29    .39    .32    .60                                  .32
 Rsting HC:   .06    .06    .06    .06    .10                          .41    .06
 Exhst  CO: 18.55  22.39  30.73  24.99  62.16   1.51   1.68  10.83  22.64  21.13
 Exhst NOX:  1.44   1.67   2.28   1.86   5.08   1.37   1.52  11.61    .80   2.35

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 24.0   24.0   24.0          24.0   24.0   24.0   24.0   24.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.81   2.14   2.91   2.38   4.94    .57    .77   1.92   4.69   2.08
 Exhst  HC:  1.23   1.55   2.18   1.74   2.52    .57    .77   1.92   1.65   1.46
 Evap.  HC:   .21    .27    .33    .29   1.78                        2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                  .00
 Runing HC:   .30    .26    .34    .28    .53                                  .28
 Rsting HC:   .06    .06    .06    .06    .10                          .41    .06
 Exhst  CO: 16.17  19.85  27.31  22.17  53.74   1.31   1.46   9.41  19.78  18.52
```

```
 Exhst NOX:  1.46   1.70   2.31   1.89   5.21   1.30   1.45  11.07    .85   2.34

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 27.0   27.0   27.0          27.0   27.0   27.0   27.0   27.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.65   1.97   2.67   2.19   4.50    .52    .70   1.75   4.55   1.91
 Exhst  HC:  1.11   1.41   1.98   1.59   2.14    .52    .70   1.75   1.52   1.32
 Evap.  HC:   .21    .27    .33    .29   1.78                        2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .27    .23    .30    .25    .47                                .25
 Rsting HC:   .06    .06    .06    .06    .10                         .41    .06
 Exhst  CO: 14.31  17.84  24.63  19.95  47.39   1.16   1.29   8.30  17.43  16.47
 Exhst NOX:  1.48   1.71   2.33   1.91   5.35   1.26   1.40  10.68    .90   2.33

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 30.0   30.0   30.0          30.0   30.0   30.0   30.0   30.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.53   1.84   2.49   2.04   4.15    .47    .64   1.60   4.44   1.77
 Exhst  HC:  1.01   1.30   1.82   1.46   1.85    .47    .64   1.60   1.40   1.20
 Evap.  HC:   .21    .27    .33    .29   1.78                        2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .24    .21    .27    .23    .42                                .22
 Rsting HC:   .06    .06    .06    .06    .10                         .41    .06
 Exhst  CO: 12.82  16.20  22.46  18.15  42.63   1.04   1.15   7.45  15.47  14.84
 Exhst NOX:  1.49   1.73   2.35   1.92   5.48   1.23   1.37  10.44    .94   2.33

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
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0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 33.0   33.0   33.0          33.0   33.0   33.0   33.0   33.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.42   1.73   2.33   1.91   3.88    .44    .59   1.47   4.34   1.65
 Exhst  HC:   .93   1.21   1.70   1.36   1.61    .44    .59   1.47   1.30   1.11
 Evap.  HC:   .21    .27    .33    .29   1.78                         2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .21    .19    .25    .20    .38                                 .20
 Rsting HC:   .06    .06    .06    .06    .10                           .41    .06
 Exhst  CO: 11.60  14.86  20.68  16.67  39.11    .95   1.05   6.79  13.82  13.51
 Exhst NOX:  1.51   1.74   2.37   1.94   5.61   1.22   1.35  10.34    .98   2.34

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 36.0   36.0   36.0          36.0   36.0   36.0   36.0   36.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.33   1.63   2.20   1.81   3.66    .40    .55   1.37   4.26   1.55
 Exhst  HC:   .87   1.13   1.59   1.27   1.43    .40    .55   1.37   1.22   1.03
 Evap.  HC:   .21    .27    .33    .29   1.78                         2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .19    .17    .22    .19    .34                                 .18
 Rsting HC:   .06    .06    .06    .06    .10                           .41    .06
 Exhst  CO: 10.58  13.75  19.21  15.45  36.61    .88    .98   6.30  12.46  12.43
 Exhst NOX:  1.52   1.75   2.38   1.95   5.74   1.22   1.36  10.37   1.01   2.36

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
```

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                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 39.0   39.0   39.0          39.0   39.0   39.0   39.0   39.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.25   1.55   2.09   1.72   3.49    .38    .51   1.28   4.19   1.47
 Exhst  HC:   .81   1.07   1.50   1.20   1.29    .38    .51   1.28   1.16    .97
 Evap.  HC:   .21    .27    .33    .29   1.78                         2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .17    .15    .20    .17    .31                                 .16
 Rsting HC:   .06    .06    .06    .06    .10                           .41    .06
 Exhst  CO:  9.73  12.84  17.98  14.44  34.94    .83    .92   5.94  11.39  11.54
 Exhst NOX:  1.53   1.76   2.40   1.96   5.88   1.24   1.38  10.54   1.03   2.38

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                 Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 42.0   42.0   42.0          42.0   42.0   42.0   42.0   42.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.19   1.48   2.00   1.65   3.35    .36    .48   1.21   4.14   1.40
 Exhst  HC:   .76   1.01   1.42   1.14   1.18    .36    .48   1.21   1.11    .91
 Evap.  HC:   .21    .27    .33    .29   1.78                         2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .14    .14    .19    .15    .28                                 .14
 Rsting HC:   .06    .06    .06    .06    .10                           .41    .06
 Exhst  CO:  9.00  12.07  16.95  13.59  34.02    .79    .88   5.69  10.57  10.81
 Exhst NOX:  1.53   1.77   2.41   1.97   6.01   1.28   1.42  10.84   1.05   2.41

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                 Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
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```
 Veh. Spd.: 45.0   45.0   45.0          45.0   45.0   45.0   45.0   45.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.13   1.43   1.92   1.58   3.24    .34    .46   1.15   4.11   1.34
 Exhst  HC:   .72    .97   1.36   1.09   1.10    .34    .46   1.15   1.07    .87
 Evap.  HC:   .21    .27    .33    .29   1.78                         2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .13    .12    .17    .14    .26                                 .12
 Rsting HC:   .06    .06    .06    .06    .10                           .41    .06
 Exhst  CO:  8.38  11.44  16.09  12.88  33.79    .77    .86   5.54   9.96  10.21
 Exhst NOX:  1.54   1.77   2.42   1.97   6.14   1.33   1.48  11.30   1.07   2.45

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 48.0   48.0   48.0          48.0   48.0   48.0   48.0   48.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.07   1.38   1.85   1.52   3.15    .33    .44   1.10   4.09   1.28
 Exhst  HC:   .69    .93   1.31   1.05   1.03    .33    .44   1.10   1.05    .83
 Evap.  HC:   .21    .27    .33    .29   1.78                         2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .11    .11    .16    .13    .23                                 .11
 Rsting HC:   .06    .06    .06    .06    .10                           .41    .06
 Exhst  CO:  7.83  10.90  15.35  12.28  34.23    .76    .85   5.48   9.50   9.71
 Exhst NOX:  1.55   1.78   2.43   1.98   6.28   1.40   1.56  11.93   1.09   2.51

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0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 51.0   51.0   51.0          51.0   51.0   51.0   51.0   51.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.06   1.36   1.83   1.51   3.08    .31    .43   1.06   4.09   1.27
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 Exhst  HC:   .69    .93   1.31   1.05    .99    .31    .43   1.06   1.05    .82
 Evap.  HC:   .21    .27    .33    .29   1.78                         2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .10    .10    .14    .11    .21                                 .10
 Rsting HC:   .06    .06    .06    .06    .10                           .41    .06
 Exhst  CO:  7.83  10.90  15.35  12.28  35.36    .77    .85   5.52   9.50   9.75
 Exhst NOX:  1.70   1.99   2.72   2.22   6.41   1.50   1.67  12.75   1.20   2.73

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0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 54.0   54.0   54.0          54.0   54.0   54.0   54.0   54.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.05   1.35   1.82   1.50   3.03    .31    .42   1.03   4.09   1.25
 Exhst  HC:   .69    .93   1.31   1.05    .96    .31    .42   1.03   1.05    .82
 Evap.  HC:   .21    .27    .33    .29   1.78                         2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .09    .09    .12    .10    .19                                 .09
 Rsting HC:   .06    .06    .06    .06    .10                           .41    .06
 Exhst  CO:  7.83  10.90  15.35  12.28  37.27    .79    .87   5.64   9.50   9.82
 Exhst NOX:  1.86   2.20   3.02   2.45   6.54   1.63   1.81  13.81   1.30   2.96

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0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 57.0   57.0   57.0          57.0   57.0   57.0   57.0   57.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.10   1.43   1.93   1.59   3.00    .30    .41   1.02   4.24   1.31
 Exhst  HC:   .75   1.02   1.43   1.15    .95    .30    .41   1.02   1.20    .88
 Evap.  HC:   .21    .27    .33    .29   1.78                         2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .08    .08    .11    .09    .17                                 .08
 Rsting HC:   .06    .06    .06    .06    .10                           .41    .06
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 Exhst  CO:  9.73  14.07  20.11  15.95  40.06    .82    .91   5.87  14.07  12.13
 Exhst NOX:  2.02   2.41   3.31   2.69   6.67   1.78   1.98  15.15   1.41   3.22

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 60.0   60.0   60.0          60.0   60.0   60.0   60.0   60.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.18   1.55   2.12   1.73   2.98    .30    .40   1.01   4.47   1.40
 Exhst  HC:   .83   1.14   1.62   1.29    .95    .30    .40   1.01   1.43    .98
 Evap.  HC:   .21    .27    .33    .29   1.78                         2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .07    .07    .10    .08    .15                                 .07
 Rsting HC:   .06    .06    .06    .06    .10                          .41    .06
 Exhst  CO: 12.58  18.84  27.24  21.45  43.93    .86    .96   6.20  20.93  15.59
 Exhst NOX:  2.17   2.62   3.60   2.93   6.81   1.98   2.20  16.83   1.52   3.50

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 63.0   63.0   63.0          63.0   63.0   63.0   63.0   63.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.26   1.67   2.30   1.87   2.98    .30    .40   1.00   4.69   1.49
 Exhst  HC:   .92   1.27   1.82   1.44    .96    .30    .40   1.00   1.66   1.07
 Evap.  HC:   .21    .27    .33    .29   1.78                         2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .06    .07    .09    .08    .14                                 .06
 Rsting HC:   .06    .06    .06    .06    .10                          .41    .06
 Exhst  CO: 15.43  23.60  34.38  26.95  49.13    .93   1.03   6.67  27.79  19.10
 Exhst NOX:  2.33   2.83   3.90   3.16   6.94   2.23   2.48  18.94   1.62   3.81

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
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```
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 65.0   65.0   65.0          65.0   65.0   65.0   65.0   65.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.32   1.76   2.42   1.96   2.99    .30    .40   1.01   4.84   1.55
 Exhst  HC:   .98   1.36   1.94   1.54    .98    .30    .40   1.01   1.81   1.14
 Evap.  HC:   .21    .27    .33    .29   1.78                         2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .06    .06    .09    .07    .13                                 .06
 Rsting HC:   .06    .06    .06    .06    .10                           .41    .06
 Exhst  CO: 17.33  26.78  39.14  30.62  53.52    .98   1.09   7.06  32.36  21.48
 Exhst NOX:  2.43   2.97   4.09   3.32   7.03   2.43   2.70  20.63   1.69   4.03

_____________________________________________________________________________
1MOBILE5a FDOT: MIAMI 1999 VALIDATION (Includes NLEV Starting in 2001)
 MOBILE5a (26-Mar-93)
0
-M153 Error:
 Warning: Refueling emissions in grams-per-gallon are only available using the
120 column descriptive output option (OUTFMT = 3 or 5). See MOBILE5 Users
 Guide chapters 2.1.15, 2.1.19 and 2.1.20 for more information.
0              Emission Factor Modification Profile
+              ____________________________________
0Equation  Reg  Veh  Pol  First MY  Last MY    Base     DR           Altered
+________  ___  ___  ___  ________  _______    ____    ____          _______
     1      1    7    3     1990     1990     11.65     .00            Yes
     2      1    7    3     1991     1997      9.37     .00            Yes
     3      1    7    3     1998     2003      7.49     .00            Yes
     4      1    7    3     2004     2020      3.75     .00            Yes
0I/M program selected:

0    Start year (January 1):             1991
     Pre-1981 MYR stringency rate:        28%
     First model year covered:           1975
     Last model year covered:            2020
     Waiver rate (pre-1981):              0.%
     Waiver rate (1981 and newer):        0.%
     Compliance Rate:                   100.%
     Inspection type:                    Test Only
     Inspection frequency                Annual
     Vehicle types covered:              LDGV - Yes
                                        LDGT1 - Yes
                                        LDGT2 - Yes
                                         HDGV - No
     1981 & later MYR test type:         Idle
     Cutpoints, HC:  220.000   CO:    1.200   NOx:  999.000
```

```
0Functional Check Program Description:
0Check Start   Model Yrs  Vehicle Classes Covered        Inspection        Comp
       (Jan1)  Covered    LDGV   LDGT1  LDGT2  HDGV    Type      Freq      Rate

 ATP   1991    1975-2020  Yes    Yes    Yes    No  Test Only     Annual   100.0%
0Air pump system disablements:       No   Catalyst removals:
Yes
 Fuel inlet restrictor disablements: No   Tailpipe lead deposit test:         No
 EGR disablement:                    No   Evaporative system disablements:    No
 PCV system disablements:            No   Missing gas caps:
Yes
0MTPM          FL
                     Minimum Temp: 69. (F)   Maximum Temp: 91. (F)
                     Period 1 RVP:  9.2      Period 2 RVP:  7.8 Period 2 Yr:
1992
0VOC HC emission factors include evaporative HC emission factors.
0_____________________________________________________________________________
_
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: Yes       Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: Yes     Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.:  3.0    3.0    3.0           3.0    3.0    3.0    3.0    3.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  9.87  10.82  15.35  12.23  23.25   1.41   1.91   4.76  11.68  10.58
 Exhst  HC:  4.97   5.95   8.81   6.84  12.09   1.41   1.91   4.76   8.64   5.71
 Evap.  HC:   .21    .26    .32    .28   1.78                         2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:  4.61   4.54   6.16   5.05   9.27                                4.53
 Rsting HC:   .06    .06    .06    .06    .10                           .41    .06
 Exhst  CO: 66.58  79.77 112.07  89.82 225.54   4.96   5.52  35.64 155.56  76.24
 Exhst NOX:  1.97   2.19   2.97   2.43   4.28   2.39   2.66  20.28    .85   3.39


_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: Yes       Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: Yes     Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.:  6.0    6.0    6.0           6.0    6.0    6.0    6.0    6.0
```

```
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  4.43   4.90   6.88   5.52  13.64   1.21   1.64   4.08   8.17   5.01
 Exhst  HC:  2.74   3.26   4.78   3.73   9.24   1.21   1.64   4.08   5.13   3.31
 Evap.  HC:   .21    .26    .32    .28   1.78                         2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:  1.42   1.32   1.72   1.44   2.52                                1.35
 Rsting HC:   .06    .06    .06    .06    .10                           .41    .06
 Exhst  CO: 36.76  43.67  60.43  48.89 173.16   3.90   4.34  28.05  84.55  43.96
 Exhst NOX:  1.63   1.82   2.48   2.03   4.41   2.11   2.34  17.90    .75   2.91

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: Yes       Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: Yes     Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.:  9.0    9.0    9.0           9.0    9.0    9.0    9.0    9.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  3.16   3.48   4.81   3.89  10.55   1.05   1.42   3.53   6.60   3.63
 Exhst  HC:  1.99   2.34   3.40   2.67   7.17   1.05   1.42   3.53   3.56   2.45
 Evap.  HC:   .21    .26    .32    .28   1.78                         2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .90    .81   1.03    .88   1.49                                 .84
 Rsting HC:   .06    .06    .06    .06    .10                           .41    .06
 Exhst  CO: 26.79  31.53  42.84  35.05 135.60   3.12   3.47  22.44  54.67  32.27
 Exhst NOX:  1.52   1.70   2.32   1.89   4.55   1.88   2.10  16.00    .71   2.68

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: Yes       Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: Yes     Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 12.0   12.0   12.0          12.0   12.0   12.0   12.0   12.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  2.59   2.83   3.87   3.15   8.67    .91   1.24   3.08   5.80   2.98
 Exhst  HC:  1.61   1.89   2.71   2.14   5.65    .91   1.24   3.08   2.76   1.99
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 Evap.  HC:   .21    .26    .32    .28   1.78                        2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .70    .62    .78    .67   1.14                                .65
 Rsting HC:   .06    .06    .06    .06    .10                          .41    .06
 Exhst  CO: 21.82  25.51  34.11  28.19 108.31   2.54   2.83  18.25  39.92  26.08
 Exhst NOX:  1.47   1.64   2.25   1.83   4.68   1.71   1.90  14.49    .70   2.53

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: Yes       Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: Yes     Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 15.0   15.0   15.0          15.0   15.0   15.0   15.0   15.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  2.21   2.42   3.29   2.69   7.30    .80   1.09   2.71   5.34   2.55
 Exhst  HC:  1.39   1.61   2.30   1.83   4.52    .80   1.09   2.71   2.30   1.70
 Evap.  HC:   .21    .26    .32    .28   1.78                        2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .55    .48    .61    .52    .90                                .51
 Rsting HC:   .06    .06    .06    .06    .10                          .41    .06
 Exhst  CO: 18.84  21.93  28.93  24.11  88.24   2.10   2.34  15.09  31.62  22.23
 Exhst NOX:  1.43   1.60   2.20   1.79   4.81   1.56   1.74  13.29    .72   2.43

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: Yes       Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: Yes     Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 18.0   18.0   18.0          18.0   18.0   18.0   18.0   18.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.94   2.12   2.88   2.36   6.27    .71    .96   2.40   5.05   2.23
 Exhst  HC:  1.24   1.43   2.02   1.62   3.67    .71    .96   2.40   2.01   1.50
 Evap.  HC:   .21    .26    .32    .28   1.78                        2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .42    .36    .48    .40    .72                                .39
 Rsting HC:   .06    .06    .06    .06    .10                          .41    .06
 Exhst  CO: 16.86  19.54  25.50  21.40  73.33   1.76   1.96  12.68  26.36  19.60
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 Exhst NOX:  1.41   1.58   2.17   1.77   4.95   1.45   1.62  12.34    .76   2.35

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: Yes       Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: Yes     Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 21.0   21.0   21.0          21.0   21.0   21.0   21.0   21.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.72   1.90   2.58   2.11   5.51    .63    .86   2.14   4.84   1.99
 Exhst  HC:  1.10   1.29   1.81   1.45   3.02    .63    .86   2.14   1.81   1.33
 Evap.  HC:   .21    .26    .32    .28   1.78                        2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .34    .29    .39    .32    .60                                .32
 Rsting HC:   .06    .06    .06    .06    .10                         .41    .06
 Exhst  CO: 14.91  17.45  22.72  19.09  62.16   1.51   1.68  10.83  22.64  17.27
 Exhst NOX:  1.41   1.58   2.17   1.76   5.08   1.37   1.52  11.61    .80   2.30

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: Yes       Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: Yes     Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 24.0   24.0   24.0          24.0   24.0   24.0   24.0   24.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.56   1.74   2.35   1.93   4.94    .57    .77   1.92   4.69   1.81
 Exhst  HC:   .98   1.15   1.63   1.30   2.52    .57    .77   1.92   1.65   1.18
 Evap.  HC:   .21    .26    .32    .28   1.78                        2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .30    .26    .34    .28    .53                                .28
 Rsting HC:   .06    .06    .06    .06    .10                         .41    .06
 Exhst  CO: 12.98  15.42  20.16  16.90  53.74   1.31   1.46   9.41  19.78  15.09
 Exhst NOX:  1.44   1.60   2.20   1.79   5.21   1.30   1.45  11.07    .85   2.29

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
```

```
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: Yes       Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: Yes     Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 27.0   27.0   27.0          27.0   27.0   27.0   27.0   27.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.43   1.61   2.17   1.78   4.50    .52    .70   1.75   4.55   1.66
 Exhst  HC:   .88   1.05   1.48   1.18   2.14    .52    .70   1.75   1.52   1.07
 Evap.  HC:   .21    .26    .32    .28   1.78                         2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .27    .23    .30    .25    .47                                 .25
 Rsting HC:   .06    .06    .06    .06    .10                           .41    .06
 Exhst  CO: 11.47  13.82  18.16  15.17  47.39   1.16   1.29   8.30  17.43  13.40
 Exhst NOX:  1.45   1.62   2.23   1.81   5.35   1.26   1.40  10.68    .90   2.29

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: Yes       Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: Yes     Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 30.0   30.0   30.0          30.0   30.0   30.0   30.0   30.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.32   1.50   2.02   1.66   4.15    .47    .64   1.60   4.44   1.54
 Exhst  HC:   .81    .97   1.36   1.09   1.85    .47    .64   1.60   1.40    .97
 Evap.  HC:   .21    .26    .32    .28   1.78                         2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .24    .21    .27    .23    .42                                 .22
 Rsting HC:   .06    .06    .06    .06    .10                           .41    .06
 Exhst  CO: 10.26  12.53  16.55  13.78  42.63   1.04   1.15   7.45  15.47  12.05
 Exhst NOX:  1.47   1.63   2.25   1.82   5.48   1.23   1.37  10.44    .94   2.29

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: Yes       Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: Yes     Operating Mode:   20.6 / 27.3 / 20.6
```

```
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 33.0   33.0   33.0          33.0   33.0   33.0   33.0   33.0
   VMT Mix:   .617   .190   .086           .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.23   1.41   1.90   1.56   3.88    .44    .59   1.47   4.34   1.44
 Exhst  HC:   .74    .90   1.27   1.01   1.61    .44    .59   1.47   1.30    .90
 Evap.  HC:   .21    .26    .32    .28   1.78                         2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .21    .19    .25    .20    .38                                 .20
 Rsting HC:   .06    .06    .06    .06    .10                           .41    .06
 Exhst  CO:  9.27  11.47  15.23  12.64  39.11    .95   1.05   6.79  13.82  10.96
 Exhst NOX:  1.48   1.64   2.26   1.84   5.61   1.22   1.35  10.34    .98   2.30

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: Yes       Ambient Temp:   86.2 / 86.2 / 86.2
F
                 Anti-tam. Program: Yes     Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 36.0   36.0   36.0          36.0   36.0   36.0   36.0   36.0
   VMT Mix:   .617   .190   .086           .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.16   1.34   1.79   1.48   3.66    .40    .55   1.37   4.26   1.35
 Exhst  HC:   .69    .84   1.19    .95   1.43    .40    .55   1.37   1.22    .83
 Evap.  HC:   .21    .26    .32    .28   1.78                         2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .19    .17    .22    .19    .34                                 .18
 Rsting HC:   .06    .06    .06    .06    .10                           .41    .06
 Exhst  CO:  8.44  10.59  14.13  11.69  36.61    .88    .98   6.30  12.46  10.07
 Exhst NOX:  1.49   1.65   2.28   1.85   5.74   1.22   1.36  10.37   1.01   2.31

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: Yes       Ambient Temp:   86.2 / 86.2 / 86.2
F
                 Anti-tam. Program: Yes     Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
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```
 Veh. Spd.: 39.0   39.0   39.0          39.0   39.0   39.0   39.0   39.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.09   1.27   1.71   1.41   3.49    .38    .51   1.28   4.19   1.28
 Exhst  HC:   .65    .79   1.12    .90   1.29    .38    .51   1.28   1.16    .78
 Evap.  HC:   .21    .26    .32    .28   1.78                         2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .17    .15    .20    .17    .31                                 .16
 Rsting HC:   .06    .06    .06    .06    .10                           .41    .06
 Exhst  CO:  7.75   9.86  13.21  10.90  34.94    .83    .92   5.94  11.39   9.34
 Exhst NOX:  1.50   1.66   2.29   1.86   5.88   1.24   1.38  10.54   1.03   2.33

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999          Region: Low          Altitude:  500. Ft.
                      I/M Program: Yes       Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: Yes     Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 42.0   42.0   42.0          42.0   42.0   42.0   42.0   42.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.03   1.22   1.63   1.35   3.35    .36    .48   1.21   4.14   1.22
 Exhst  HC:   .61    .75   1.06    .85   1.18    .36    .48   1.21   1.11    .74
 Evap.  HC:   .21    .26    .32    .28   1.78                         2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .14    .14    .19    .15    .28                                 .14
 Rsting HC:   .06    .06    .06    .06    .10                           .41    .06
 Exhst  CO:  7.15   9.25  12.44  10.24  34.02    .79    .88   5.69  10.57   8.75
 Exhst NOX:  1.50   1.67   2.30   1.87   6.01   1.28   1.42  10.84   1.05   2.37

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999          Region: Low          Altitude:  500. Ft.
                      I/M Program: Yes       Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: Yes     Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 45.0   45.0   45.0          45.0   45.0   45.0   45.0   45.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .98   1.17   1.57   1.30   3.24    .34    .46   1.15   4.11   1.17
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 Exhst  HC:   .58    .72   1.01    .81   1.10    .34    .46   1.15   1.07    .70
 Evap.  HC:   .21    .26    .32    .28   1.78                         2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .13    .12    .17    .14    .26                                 .12
 Rsting HC:   .06    .06    .06    .06    .10                           .41    .06
 Exhst  CO:  6.65   8.74  11.78   9.68  33.79    .77    .86   5.54   9.96   8.26
 Exhst NOX:  1.51   1.67   2.31   1.87   6.14   1.33   1.48  11.30   1.07   2.41

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: Yes       Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: Yes     Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 48.0   48.0   48.0          48.0   48.0   48.0   48.0   48.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .93   1.13   1.51   1.25   3.15    .33    .44   1.10   4.09   1.12
 Exhst  HC:   .55    .69    .97    .78   1.03    .33    .44   1.10   1.05    .67
 Evap.  HC:   .21    .26    .32    .28   1.78                         2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .11    .11    .16    .13    .23                                 .11
 Rsting HC:   .06    .06    .06    .06    .10                           .41    .06
 Exhst  CO:  6.20   8.30  11.21   9.20  34.23    .76    .85   5.48   9.50   7.86
 Exhst NOX:  1.52   1.68   2.32   1.88   6.28   1.40   1.56  11.93   1.09   2.46

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: Yes       Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: Yes     Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 51.0   51.0   51.0          51.0   51.0   51.0   51.0   51.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .92   1.12   1.49   1.24   3.08    .31    .43   1.06   4.09   1.10
 Exhst  HC:   .55    .69    .97    .78    .99    .31    .43   1.06   1.05    .66
 Evap.  HC:   .21    .26    .32    .28   1.78                         2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .10    .10    .14    .11    .21                                 .10
 Rsting HC:   .06    .06    .06    .06    .10                           .41    .06
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 Exhst  CO:  6.20   8.30  11.21   9.20  35.36    .77    .85   5.52   9.50   7.89
 Exhst NOX:  1.67   1.88   2.60   2.10   6.41   1.50   1.67  12.75   1.20   2.68

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: Yes       Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: Yes     Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 54.0   54.0   54.0          54.0   54.0   54.0   54.0   54.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .91   1.11   1.48   1.22   3.03    .31    .42   1.03   4.09   1.09
 Exhst  HC:   .55    .69    .97    .78    .96    .31    .42   1.03   1.05    .66
 Evap.  HC:   .21    .26    .32    .28   1.78                         2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .09    .09    .12    .10    .19                                 .09
 Rsting HC:   .06    .06    .06    .06    .10                          .41    .06
 Exhst  CO:  6.20   8.30  11.21   9.20  37.27    .79    .87   5.64   9.50   7.96
 Exhst NOX:  1.83   2.08   2.88   2.33   6.54   1.63   1.81  13.81   1.30   2.91

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: Yes       Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: Yes     Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 57.0   57.0   57.0          57.0   57.0   57.0   57.0   57.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .95   1.16   1.56   1.29   3.00    .30    .41   1.02   4.24   1.13
 Exhst  HC:   .59    .75   1.07    .85    .95    .30    .41   1.02   1.20    .71
 Evap.  HC:   .21    .26    .32    .28   1.78                         2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .08    .08    .11    .09    .17                                 .08
 Rsting HC:   .06    .06    .06    .06    .10                          .41    .06
 Exhst  CO:  7.67  10.59  14.50  11.81  40.06    .82    .91   5.87  14.07   9.72
 Exhst NOX:  1.98   2.28   3.17   2.55   6.67   1.78   1.98  15.15   1.41   3.16

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
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 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: Yes       Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: Yes     Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 60.0   60.0   60.0          60.0   60.0   60.0   60.0   60.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.01   1.25   1.69   1.38   2.98    .30    .40   1.01   4.47   1.19
 Exhst  HC:   .66    .85   1.21    .96    .95    .30    .40   1.01   1.43    .78
 Evap.  HC:   .21    .26    .32    .28   1.78                         2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .07    .07    .10    .08    .15                                 .07
 Rsting HC:   .06    .06    .06    .06    .10                           .41    .06
 Exhst  CO:  9.87  14.04  19.44  15.72  43.93    .86    .96   6.20  20.93  12.34
 Exhst NOX:  2.13   2.48   3.45   2.78   6.81   1.98   2.20  16.83   1.52   3.44

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: Yes       Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: Yes     Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 63.0   63.0   63.0          63.0   63.0   63.0   63.0   63.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.07   1.33   1.82   1.48   2.98    .30    .40   1.00   4.69   1.26
 Exhst  HC:   .73    .94   1.35   1.06    .96    .30    .40   1.00   1.66    .85
 Evap.  HC:   .21    .26    .32    .28   1.78                         2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .06    .07    .09    .08    .14                                 .06
 Rsting HC:   .06    .06    .06    .06    .10                           .41    .06
 Exhst  CO: 12.08  17.49  24.37  19.63  49.13    .93   1.03   6.67  27.79  15.02
 Exhst NOX:  2.29   2.67   3.73   3.00   6.94   2.23   2.48  18.94   1.62   3.74

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 1999           Region: Low           Altitude:  500. Ft.
                      I/M Program: Yes       Ambient Temp:   86.2 / 86.2 / 86.2
F
```

```
                Anti-tam. Program: Yes     Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 65.0   65.0   65.0          65.0   65.0   65.0   65.0   65.0
   VMT Mix:   .617   .190   .086          .031   .002   .001   .067   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.11   1.39   1.91   1.55   2.99    .30    .40   1.01   4.84   1.31
 Exhst  HC:   .78   1.00   1.44   1.14    .98    .30    .40   1.01   1.81    .90
 Evap.  HC:   .21    .26    .32    .28   1.78                         2.63    .28
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .06    .06    .09    .07    .13                                 .06
 Rsting HC:   .06    .06    .06    .06    .10                          .41    .06
 Exhst  CO: 13.55  19.79  27.66  22.24  53.52    .98   1.09   7.06  32.36  16.83
 Exhst NOX:  2.39   2.81   3.92   3.15   7.03   2.43   2.70  20.63   1.69   3.96
```

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 FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 09:00:41  28OCT01

 INPUT CARD ECHO

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

SCENARIO  1        MOBILE.TEM
THE FOLLOWING IS A MATRIX WHICH ASSIGNS A SCENARIO TO EACH FT/AT COMBINATION
AT=>     1     2     3     4     5
_____________________________________
FT |
 1 |     1     1     1     1     1
 2 |     1     1     1     1     1
 3 |     1     1     1     1     1
 4 |     1     1     1     1     1
 5 |     1     1     1     1     1
 6 |     1     1     1     1     1
 7 |     1     1     1     1     1
 8 |     1     1     1     1     1
 9 |     1     1     1     1     1

INPUT COORDINATE SCALE(UNITS) FROM PROFILE.MAS IS   5280
 ***INFO*** ALL REPORT VALUES ARE BEING ADJUSTED BY A FACTOR 0F 0.9557
```

FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
- RUN TIME: 09:00:41 28OCT01

EMISSIONS IN GRAMS PER DAY

INFO all reported values have been adjusted by EMISFAC = 0.9557

- -

GEOGRAPHIC LOCATION NO 1

INFO all reported values have been adjusted by EMISFAC = 0.9557

FT	AT	TOTAL VOC	EXHAUST HC	EVAPORATE HC	REFUELING HC	RUN LOSS HC	EXHAUST CO	EXHAUST NOx
2	3	254315.	160438.	49727.	0.	33173.	1951326.	412828.
2	4	562789.	360756.	101399.	0.	77811.	4446371.	835997.
2	5	43022.	26273.	10638.	0.	3822.	314243.	101866.
3	3	214266.	139052.	36232.	0.	30605.	1731566.	297857.
3	4	27967.	18239.	4680.	0.	4027.	227785.	38490.
3	5	114956.	70684.	25561.	0.	12800.	840150.	217394.
4	3	270751.	175271.	46366.	0.	38331.	2178284.	381074.
4	4	40334.	25965.	7052.	0.	5636.	321362.	57957.
4	5	310419.	190530.	67981.	0.	35300.	2273291.	576128.
5	3	246026.	166940.	27320.	0.	45912.	2177387.	235507.
5	4	71813.	48607.	7654.	0.	13912.	634067.	66680.
5	5	133961.	90886.	23678.	0.	13904.	1395035.	265644.
6	3	12143.	7961.	1834.	0.	1955.	100660.	15429.
6	4	5261.	3514.	784.	0.	795.	44820.	6440.
9	3	312220.	206233.	70717.	0.	19962.	3182959.	843732.
9	4	77196.	47955.	18688.	0.	6364.	598237.	195519.
GL TOTAL		2697444.	1739303.	500311.	0.	344309.	22417544.	4548545.
(TONS)		2.97	1.92	0.55	0.00	0.38	24.69	5.01

- -

GEOGRAPHIC LOCATION NO 2

INFO all reported values have been adjusted by EMISFAC = 0.9557

FT	AT	TOTAL VOC	EXHAUST HC	EVAPORATE HC	REFUELING HC	RUN LOSS HC	EXHAUST CO	EXHAUST NOx
1	1	116193.	72408.	24073.	0.	14519.	870325.	200484.
1	2	101750.	64546.	19724.	0.	13203.	787263.	164589.
1	3	2225635.	1407312.	435134.	0.	282979.	17175804.	3653543.
1	4	1449189.	966199.	190059.	0.	250922.	12409222.	1632944.
2	1	380625.	258340.	34361.	0.	80183.	3388352.	311808.
2	2	15372.	10135.	2439.	0.	2266.	128048.	20093.
2	3	7169643.	4735522.	1038054.	0.	1165097.	60197984.	8661167.
2	4	7220420.	4853537.	841570.	0.	1340596.	62916172.	7223783.
2	5	144582.	88895.	33764.	0.	14278.	1066480.	316269.
3	1	183773.	123569.	19083.	0.	36967.	1615997.	166104.
3	2	3921.	2628.	573.	0.	598.	33675.	4713.
3	3	2890390.	1931931.	389372.	0.	483438.	24793654.	3265160.

3	4	713083.	481182.	84052.	0.	129467.	6240974.	719284.
3	5	235054.	144137.	52308.	0.	26054.	1714121.	444918.
4	1	99246.	67445.	10841.	0.	18619.	880576.	93803.
4	2	23607.	16022.	2581.	0.	4450.	209077.	22340.
4	3	2460464.	1641864.	336560.	0.	408070.	21024862.	2820850.
4	4	514438.	341828.	64539.	0.	93481.	4395666.	549235.
4	5	56583.	34731.	12476.	0.	6389.	413140.	105715.
5	1	122459.	83557.	9245.	0.	27368.	1100920.	88509.
5	2	9172.	6207.	865.	0.	1919.	81229.	7778.
5	3	1826105.	1239075.	202722.	0.	340869.	16161179.	1747658.
5	4	617988.	418298.	65898.	0.	119672.	5456643.	574015.
5	5	65484.	43687.	10565.	0.	8900.	587112.	96815.
6	1	407068.	275762.	41196.	0.	81123.	3607127.	362582.
6	2	17564.	11536.	2163.	0.	3399.	148791.	18290.
6	3	124702.	84166.	16204.	0.	20850.	1088068.	135830.
6	4	321206.	216621.	40436.	0.	55441.	2801666.	341353.
7	1	120125.	79736.	9718.	0.	28506.	1048104.	89809.
7	2	18101.	12452.	1829.	0.	3409.	163113.	16145.
7	3	555871.	372413.	72699.	0.	94737.	4795595.	611863.
7	4	252059.	168575.	26905.	0.	50534.	2190188.	235723.
9	3	1560087.	961588.	322989.	0.	199102.	11595457.	2785553.
9	4	3232.	1990.	704.	0.	374.	23697.	5941.
GL TOTAL		32025174.	21217922.	4415689.	0.	5407790.	271110176.	37494640.
(TONS)		35.27	23.37	4.86	0.00	5.96	298.58	41.29

FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
- RUN TIME: 09:00:41 28OCT01

EMISSIONS IN GRAMS PER DAY

INFO all reported values have been adjusted by EMISFAC = 0.9557

- -

GEOGRAPHIC LOCATION NO 3

INFO all reported values have been adjusted by EMISFAC = 0.9557

FT	AT	TOTAL VOC	EXHAUST HC	EVAPORATE HC	REFUELING HC	RUN LOSS HC	EXHAUST CO	EXHAUST NOx
1	1	343046.	215179.	68896.	0.	44188.	2601425.	571678.
1	2	18736.	11794.	3711.	0.	2431.	142773.	30808.
1	3	4813011.	3065059.	898828.	0.	640430.	37699736.	7570904.
1	4	4747766.	3056037.	837805.	0.	664885.	37933660.	7035035.
1	5	170923.	106730.	41786.	0.	12702.	1383489.	454050.
2	1	113673.	76891.	14931.	0.	18654.	995784.	124520.
2	2	2959.	1871.	570.	0.	395.	22788.	4712.
2	3	8354159.	5514175.	1191863.	0.	1383063.	70241768.	9943860.
2	4	9314353.	6214808.	1208624.	0.	1624010.	79876480.	10216565.
2	5	143152.	89070.	32638.	0.	14398.	1079312.	314837.
3	1	91044.	61776.	12137.	0.	14531.	801691.	100667.
3	3	1458722.	974888.	205829.	0.	233187.	12477579.	1711425.
3	4	2178760.	1430253.	253097.	0.	440021.	18486212.	2161942.
3	5	50698.	30847.	11975.	0.	5007.	364708.	104123.
4	1	16396.	11186.	2040.	0.	2732.	145758.	17121.
4	3	2832509.	1881309.	398888.	0.	465038.	24019260.	3324447.
4	4	1548259.	1032652.	197115.	0.	274862.	13288873.	1668632.
4	5	154783.	92749.	16739.	0.	41576.	1186847.	145879.
5	1	14936.	10197.	1116.	0.	3344.	134393.	10721.
5	3	1690412.	1140434.	200471.	0.	306547.	14807105.	1743808.
5	4	1585325.	1073148.	171633.	0.	303765.	13993726.	1493337.
5	5	76518.	51575.	12928.	0.	9111.	747601.	133468.
6	1	40216.	27374.	4502.	0.	7367.	357412.	38712.
6	3	247405.	164203.	36963.	0.	38158.	2088849.	306273.
6	4	494179.	327428.	60777.	0.	92830.	4236951.	511985.
7	1	88726.	60302.	8524.	0.	18001.	789920.	76211.
7	2	49610.	33726.	5972.	0.	8632.	439093.	50559.
7	3	912114.	602630.	94531.	0.	193410.	7828754.	829726.
7	4	865178.	581033.	96799.	0.	165999.	7546804.	837231.
7	5	32516.	21185.	5410.	0.	4667.	266056.	45746.
8	3	260011.	161957.	55901.	0.	29627.	1955487.	487427.
8	4	31716.	20386.	5898.	0.	4146.	253104.	50113.
9	3	613620.	372758.	133458.	0.	75662.	4456255.	1158231.
9	4	3896.	2420.	818.	0.	477.	29011.	6841.
9	5	566077.	364387.	132598.	0.	37506.	5266258.	1534618.
GL TOTAL		43925360.	28882388.	6425772.	0.	7181371.	367945312.	54816188.
(TONS)		48.38	31.81	7.08	0.00	7.91	405.23	60.37

FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
- RUN TIME: 09:00:41 28OCT01

EMISSIONS IN GRAMS PER DAY

INFO all reported values have been adjusted by EMISFAC = 0.9557

- -

ALL GEOGRAPHIC LOCATIONS

FT	AT	TOTAL VOC	EXHAUST HC	EVAPORATE HC	REFUELING HC	RUN LOSS HC	EXHAUST CO	EXHAUST NOx
1	1	459239.	287587.	92969.	0.	58708.	3471750.	772162.
1	2	120485.	76340.	23434.	0.	15634.	930036.	195397.
1	3	7038646.	4472370.	1333961.	0.	923410.	54875532.	11224449.
1	4	6196955.	4022236.	1027864.	0.	915807.	50342884.	8667975.
1	5	170923.	106730.	41786.	0.	12702.	1383489.	454050.
2	1	494298.	335231.	49292.	0.	98837.	4384135.	436328.
2	2	18331.	12007.	3010.	0.	2661.	150837.	24805.
2	3	15778108.	10410128.	2279643.	0.	2581332.	132391144.	19017858.
2	4	17097554.	11429103.	2151595.	0.	3042417.	147238864.	18276348.
2	5	330756.	204238.	77039.	0.	32498.	2460035.	732972.
3	1	274818.	185345.	31220.	0.	51498.	2417688.	266771.
3	2	3921.	2628.	573.	0.	598.	33675.	4713.
3	3	4563374.	3045871.	631433.	0.	747230.	39002840.	5274444.
3	4	2919813.	1929674.	341828.	0.	573515.	24954982.	2919715.
3	5	400709.	245667.	89844.	0.	43862.	2918978.	766435.
4	1	115642.	78631.	12881.	0.	21351.	1026333.	110923.
4	2	23607.	16022.	2581.	0.	4450.	209077.	22340.
4	3	5563720.	3698449.	781814.	0.	911439.	47222360.	6526371.
4	4	2103030.	1400444.	268705.	0.	373980.	18005908.	2275824.
4	5	521786.	318010.	97196.	0.	83266.	3873281.	827723.
5	1	137396.	93754.	10361.	0.	30713.	1235313.	99230.
5	2	9172.	6207.	865.	0.	1919.	81229.	7778.
5	3	3762546.	2546448.	430513.	0.	693328.	33145624.	3726975.
5	4	2275125.	1540052.	245185.	0.	437348.	20084432.	2134033.
5	5	275963.	186148.	47171.	0.	31915.	2729748.	495927.
6	1	447284.	303136.	45698.	0.	88491.	3964539.	401294.
6	2	17564.	11536.	2163.	0.	3399.	148791.	18290.
6	3	384250.	256330.	55001.	0.	60963.	3277577.	457532.
6	4	820647.	547564.	101997.	0.	149066.	7083437.	859778.
7	1	208851.	140037.	18242.	0.	46507.	1838024.	166020.
7	2	67710.	46177.	7801.	0.	12041.	602206.	66704.
7	3	1467983.	975043.	167230.	0.	288147.	12624361.	1441590.
7	4	1117237.	749608.	123705.	0.	216533.	9736997.	1072953.
7	5	32516.	21185.	5410.	0.	4667.	266056.	45746.
8	3	260011.	161957.	55901.	0.	29627.	1955487.	487427.
8	4	31716.	20386.	5898.	0.	4146.	253104.	50113.
9	3	2485927.	1540578.	527164.	0.	294726.	19234676.	4787516.
9	4	84325.	52365.	20211.	0.	7214.	650946.	208301.
9	5	566077.	364387.	132598.	0.	37506.	5266258.	1534618.
SUM		78647712.	51839564.	11341744.	0.	12933451.	661472896.	96859344.
(TONS)		86.62	57.09	12.49	0.00	14.24	728.49	106.67

FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
- RUN TIME: 09:00:41 28OCT01

EMISSIONS IN GRAMS PER DAY

INFO all reported values have been adjusted by EMISFAC = 0.9557

FACILITY TYPE	TOTAL VOC	EXHAUST HC	EVAPORATE HC	REFUELING HC	RUN LOSS HC	EXHAUST CO	EXHAUST NOx
1	13986241.	8965260.	2520014.	0.	1926260.	111003696.	21314042.
2	33718984.	22390740.	4560576.	0.	5757752.	286624768.	38488216.
3	8162640.	5409180.	1094897.	0.	1416704.	69328096.	9232058.
4	8327784.	5511548.	1163180.	0.	1394485.	70336984.	9763189.
5	6460195.	4372609.	734095.	0.	1195221.	57276436.	6463941.
6	1669746.	1118565.	204858.	0.	301918.	14474346.	1736895.
7	2894295.	1932051.	322388.	0.	567895.	25067630.	2793014.
8	291727.	182343.	61799.	0.	33772.	2208591.	537539.
9	3136331.	1957329.	679973.	0.	339446.	25151880.	6530435.
SUM	78647712.	51839564.	11341744.	0.	12933451.	661472896.	96859344.
(TONS)	86.62	57.09	12.49	0.00	14.24	728.49	106.67

AREA TYPE	TOTAL VOC	EXHAUST HC	EVAPORATE HC	REFUELING HC	RUN LOSS HC	EXHAUST CO	EXHAUST NOx
1	2137526.	1423721.	260663.	0.	396104.	18337774.	2252730.
2	260792.	170918.	40426.	0.	40701.	2155850.	340026.
3	41304548.	27107138.	6262651.	0.	6530204.	343728576.	52944108.
4	32646342.	21691482.	4286986.	0.	5720039.	278351904.	36465060.
5	2298732.	1446365.	491045.	0.	246416.	18897844.	4857472.
SUM	78647712.	51839564.	11341744.	0.	12933451.	661472896.	96859344.
(TONS)	86.62	57.09	12.49	0.00	14.24	728.49	106.67

NUMBER LANES	TOTAL VOC	EXHAUST HC	EVAPORATE HC	REFUELING HC	RUN LOSS HC	EXHAUST CO	EXHAUST NOx
1	20285368.	13497793.	2548939.	0.	3676469.	174135408.	21844798.
2	29101006.	19260850.	4165462.	0.	4747901.	247056480.	35819200.
3	21697232.	14225501.	3264548.	0.	3472277.	180137264.	27680708.
4	7292105.	4688023.	1303569.	0.	1005721.	58141308.	11012275.
5	0.	0.	0.	0.	0.	0.	0.
6	272207.	167464.	59256.	0.	31088.	2002190.	502421.
SUM	78647712.	51839564.	11341744.	0.	12933451.	661472896.	96859344.
(TONS)	86.62	57.09	12.49	0.00	14.24	728.49	106.67

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 FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 09:00:41  28OCT01

 DAILY VEHICLE MILES

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
DAILY VMT - GEOGRAPHIC LOCATION NO      1:

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 FT             1         2         3         4         5     TOTAL
_____________________________________________________________________________

            ---------------- AREA TYPES -----------------
  1             0.        0.        0.        0.        0.        0.
  2             0.        0.   177597.   362139.    37991.   577728.
  3             0.        0.   129400.    16713.    91289.   237402.
  4             0.        0.   165593.    25186.   242791.   433570.
  5             0.        0.    97571.    27336.    84564.   209472.
  6             0.        0.     6551.     2799.        0.     9349.
  7             0.        0.        0.        0.        0.        0.
  8             0.        0.        0.        0.        0.        0.
  9             0.        0.   255783.    66744.        0.   322527.

GL TOTAL        0.        0.   832495.   500917.   456635.  1790048.
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
DAILY VMT - GEOGRAPHIC LOCATION NO      2:

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 FT             1         2         3         4         5     TOTAL
_____________________________________________________________________________

            ---------------- AREA TYPES -----------------
  1         85974.    70441.  1554049.   678780.        0.  2389245.
  2        122717.     8712.  3707338.  3005608.   120586.  6964962.
  3         68154.     2045.  1390615.   300184.   186815.  1947813.
  4         38717.     9217.  1201999.   230495.    44556.  1524983.
  5         33018.     3089.   724006.   235349.    37731.  1033194.
  6        147129.     7725.    57870.   144416.        0.   357140.
  7         34707.     6532.   259640.    96091.        0.   396970.
  8             0.        0.        0.        0.        0.        0.
  9             0.        0.  1162072.     2514.        0.  1164587.

GL TOTAL   530416.   107761. 10057581.  4693436.   389689. 15778883.
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
DAILY VMT - GEOGRAPHIC LOCATION NO      3:

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 FT             1         2         3         4         5     TOTAL
_____________________________________________________________________________

            ---------------- AREA TYPES -----------------
```

1	246059.	13252.	3335733.	2992162.	149236.	6736442.
2	53325.	2037.	4256654.	4343405.	116563.	8771984.
3	43345.	0.	735103.	903917.	42768.	1725133.
4	7287.	0.	1424602.	703982.	59782.	2195653.
5	3986.	0.	715969.	612975.	86762.	1419693.
6	16078.	0.	132010.	217060.	0.	365147.
7	30442.	21328.	347599.	345711.	19323.	764403.
8	0.	0.	199646.	21063.	0.	220709.
9	0.	0.	488266.	2927.	482395.	973589.
GL TOTAL	400522.	36617.	11635590.	10143199.	956830.	23172758.

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 FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 09:00:41  28OCT01

 DAILY VEHICLE MILES

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
DAILY VMT - ALL GEOGRAPHIC LOCATIONS
            ---------------- AREA TYPES -----------------
 FT             1         2         3         4         5     TOTAL
_____________________________________________________________________________

  1        332033.    83694.  4889779.  3670941.   149236.  9125683.
  2        176042.    10749.  8141575.  7711144.   275141. 16314651.
  3        111499.     2045.  2255115.  1220813.   320872.  3910345.
  4         46004.     9217.  2792194.   959663.   347129.  4154208.
  5         37004.     3089.  1537545.   875661.   209058.  2662357.
  6        163207.     7725.   196430.   364274.        0.   731637.
  7         65149.    27860.   607239.   441802.    19323.  1161374.
  8             0.        0.   199646.    21063.        0.   220709.
  9             0.        0.  1906122.    72185.   482395.  2460702.

 TOTAL     930939.   144378. 22525682. 15337534.  1803154. 40741688.
--------------------
 DAILY VMT
FACILITY
    TYPE
____________________

     1    9125686.
     2   16314641.
     3    3910347.
     4    4154204.
     5    2662359.
     6     731637.
     7    1161374.
     8     220709.
     9    2460703.

 TOTAL   40741644.
--------------------
 DAILY VMT
    AREA
    TYPE
____________________

     1     930939.
     2     144378.
     3   22525682.
     4   15337534.
     5    1803154.

 TOTAL   40741644.
-------------------------------------------------------------------------------
 DAILY VMT
```

NUMBER LANES	
1	9117273.
2	14918956.
3	11797620.
4	4696194.
5	0.
6	211627.
TOTAL	40741644.

```
 FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 09:00:41  28OCT01

 DAILY VEHICLE HOURS

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
DAILY VHT - GEOGRAPHIC LOCATION NO      1

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 FT             1         2         3         4         5     TOTAL
_____________________________________________________________________________

            ---------------- AREA TYPES -----------------
  1             0.        0.        0.        0.        0.        0.
  2             0.        0.     5133.    11743.      748.    17623.
  3             0.        0.     4574.      600.     2180.     7355.
  4             0.        0.     5748.      849.     5918.    12515.
  5             0.        0.     6103.     1819.     2336.    10258.
  6             0.        0.      275.      118.        0.      393.
  7             0.        0.        0.        0.        0.        0.
  8             0.        0.        0.        0.        0.        0.
  9             0.        0.     6154.     1277.        0.     7430.

GL TOTAL        0.        0.    27987.    16406.    11182.    55575.
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
DAILY VHT - GEOGRAPHIC LOCATION NO      2

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 FT             1         2         3         4         5     TOTAL
_____________________________________________________________________________

            ---------------- AREA TYPES -----------------
  1          2284.     2066.    44960.    34915.        0.    84225.
  2         10366.      338.   164653.   180060.     2599.   358017.
  3          4693.       89.    68138.    17702.     4449.    95071.
  4          2502.      594.    57735.    12590.     1075.    74495.
  5          3607.      247.    45308.    15653.     1359.    66173.
  6         10549.      418.     2953.     7725.        0.    21646.
  7          3306.      518.    13234.     6511.        0.    23569.
  8             0.        0.        0.        0.        0.        0.
  9             0.        0.    43077.       62.        0.    43139.

GL TOTAL    37308.     4270.   440058.   275218.     9482.   766335.
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
DAILY VHT - GEOGRAPHIC LOCATION NO      3

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 FT             1         2         3         4         5     TOTAL
_____________________________________________________________________________

            ---------------- AREA TYPES -----------------
```

1	6844.	376.	151631.	100833.	2691.	262376.
2	2682.	60.	192478.	235046.	2587.	432853.
3	2128.	0.	33625.	53294.	932.	89979.
4	393.	0.	65460.	37307.	4086.	107245.
5	443.	0.	41264.	39910.	2067.	83685.
6	1008.	0.	5590.	11870.	0.	18468.
7	2372.	1202.	30773.	22129.	710.	57186.
8	0.	0.	4992.	656.	0.	5648.
9	0.	0.	23021.	78.	13318.	36416.
GL TOTAL	15869.	1639.	548833.	501124.	26391.	1093856.

```
 FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 09:00:41  28OCT01

 DAILY VEHICLE HOURS

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
DAILY VHT - ALL GEOGRAPHIC LOCATIONS
            ---------------- AREA TYPES -----------------
 FT             1         2         3         4         5     TOTAL
_____________________________________________________________________________

  1          9129.     2443.   196591.   135748.     2691.   346602.
  2         13048.      398.   362264.   426850.     5934.   808494.
  3          6821.       89.   106337.    71596.     7562.   192404.
  4          2895.      594.   128943.    50746.    11079.   194256.
  5          4050.      247.    92676.    57383.     5762.   160117.
  6         11557.      418.     8818.    19713.        0.    40506.
  7          5678.     1720.    44007.    28640.      710.    80755.
  8             0.        0.     4992.      656.        0.     5648.
  9             0.        0.    72252.     1416.    13318.    86986.

 TOTAL      53176.     5908.  1016878.   792748.    47055.  1915766.
--------------------
 DAILY VHT
FACILITY
    TYPE
_____________________

     1     346602.
     2     808495.
     3     192404.
     4     194255.
     5     160117.
     6      40506.
     7      80755.
     8       5648.
     9      86986.

 TOTAL    1915769.
--------------------
 DAILY VHT
    AREA
    TYPE
_____________________

     1      53176.
     2       5908.
     3    1016878.
     4     792748.
     5      47055.

 TOTAL    1915769.
--------------------
 DAILY VHT
```

NUMBER LANES	
1	503204.
2	692547.
3	560821.
4	153985.
5	0.
6	5210.
TOTAL	1915769.

```
 FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 09:00:41  28OCT01

 AVERAGE CONGESTED SPEED (mph)

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
AVERAGE SPEED - GEOGRAPHIC LOCATION NO      1

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 FT             1         2         3         4         5
_____________________________________________________________________________

            ---------------- AREA TYPES -----------------
  1           0.00      0.00      0.00      0.00      0.00
  2           0.00      0.00     34.60     30.84     50.79
  3           0.00      0.00     28.29     27.84     41.88
  4           0.00      0.00     28.81     29.67     41.02
  5           0.00      0.00     15.99     15.03     36.21
  6           0.00      0.00     23.83     23.69      0.00
  7           0.00      0.00      0.00      0.00      0.00
  8           0.00      0.00      0.00      0.00      0.00
  9           0.00      0.00     41.57     52.28      0.00

GL TOTAL      0.00      0.00     29.75     30.53     40.84
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
AVERAGE SPEED - GEOGRAPHIC LOCATION NO      2

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 FT             1         2         3         4         5
_____________________________________________________________________________

            ---------------- AREA TYPES -----------------
  1          37.64     34.09     34.57     19.44      0.00
  2          11.84     25.80     22.52     16.69     46.40
  3          14.52     23.07     20.41     16.96     41.99
  4          15.48     15.53     20.82     18.31     41.45
  5           9.15     12.49     15.98     15.04     27.77
  6          13.95     18.47     19.60     18.69      0.00
  7          10.50     12.62     19.62     14.76      0.00
  8           0.00      0.00      0.00      0.00      0.00
  9           0.00      0.00     26.98     40.71      0.00

GL TOTAL     14.22     25.24     22.86     17.05     41.10
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
AVERAGE SPEED - GEOGRAPHIC LOCATION NO      3

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 FT             1         2         3         4         5
_____________________________________________________________________________

            ---------------- AREA TYPES -----------------
```

1	35.95	35.22	22.00	29.67	55.45
2	19.88	33.91	22.12	18.48	45.05
3	20.37	0.00	21.86	16.96	45.87
4	18.56	0.00	21.76	18.87	14.63
5	9.01	0.00	17.35	15.36	41.97
6	15.96	0.00	23.61	18.29	0.00
7	12.83	17.74	11.30	15.62	27.23
8	0.00	0.00	39.99	32.10	0.00
9	0.00	0.00	21.21	37.61	36.22
GL TOTAL	25.24	22.35	21.20	20.24	36.26

```
 FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 09:00:41  28OCT01

 AVERAGE CONGESTED SPEED (mph)

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
AVERAGE SPEED - ALL GEOGRAPHIC LOCATIONS
            ---------------- AREA TYPES -----------------
 FT             1         2         3         4         5
_____________________________________________________________________________

  1          36.37     34.26     24.87     27.04     55.45
  2          13.49     27.03     22.47     18.07     46.36
  3          16.35     23.07     21.21     17.05     42.43
  4          15.89     15.53     21.65     18.91     31.33
  5           9.14     12.49     16.59     15.26     36.28
  6          14.12     18.47     22.28     18.48      0.00
  7          11.47     16.20     13.80     15.43     27.23
  8           0.00      0.00     39.99     32.10      0.00
  9           0.00      0.00     26.38     50.97     36.22

 TOTAL       17.51     24.44     22.15     19.35     38.32
--------------------
 AVERAGE SPEED
FACILITY
    TYPE
____________________

     1       26.33
     2       20.18
     3       20.32
     4       21.39
     5       16.63
     6       18.06
     7       14.38
     8       39.08
     9       28.29

 TOTAL       21.27
--------------------
 AVERAGE SPEED
    AREA
    TYPE
____________________

     1       17.51
     2       24.44
     3       22.15
     4       19.35
     5       38.32

 TOTAL       21.27
--------------------
 AVERAGE SPEED
```

NUMBER LANES	
1	18.12
2	21.54
3	21.04
4	30.50
5	0.00
6	40.62
TOTAL	21.27

Year 1999 EMISSYN.99A

```
SCENARIO  1        MOBILE.TEM
THE FOLLOWING IS A MATRIX WHICH ASSIGNS A SCENARIO TO EACH FT/AT COMBINATION
AT=>     1     2     3     4     5
_____________________________________
FT |
 1 |     1     1     1     1     1
 2 |     1     1     1     1     1
 3 |     1     1     1     1     1
 4 |     1     1     1     1     1
 5 |     1     1     1     1     1
 6 |     1     1     1     1     1
 7 |     1     1     1     1     1
 8 |     1     1     1     1     1
 9 |     1     1     1     1     1
```

Year 1999 HEVAL.OUT

```
   FLORIDA D.O.T.         Miami-Dade      Miami-Dade LRTP Validation Run
PAGE NO.     1
       FSUTMS                                    HIGHWAY ASSIGNMENT
DATE   26OCT01
      VER 5.40
TIME  20:02:09

 "HELABELS.SYN" CONTENTS:

          LABEL FT 11  1  1 FREEWAY  FREEWAY
          LABEL FT 12  1  1
          LABEL FT 15  1  1
          LABEL FT 16  1  1
          LABEL FT 17  1  1
          LABEL FT 21  2  2 D. ART   DIV. ARTERIAL
          LABEL FT 22  2  2
          LABEL FT 23  2  2
          LABEL FT 24  2  2
          LABEL FT 25  2  2
          LABEL FT 31  3  3 U. ART   UNDIV. ARTERIAL
          LABEL FT 32  3  3
          LABEL FT 33  3  3
          LABEL FT 34  3  3
          LABEL FT 35  3  3
          LABEL FT 36  3  3
          LABEL FT 37  3  3
          LABEL FT 38  3  3
          LABEL FT 41  4  4 COLLCTR  COLLECTOR
          LABEL FT 42  4  4
          LABEL FT 43  4  4
          LABEL FT 44  4  4
          LABEL FT 45  4  4
          LABEL FT 46  4  4
          LABEL FT 47  4  4
          LABEL FT 48  4  4
          LABEL FT 51  5  5 LOCAL    CENTROID CONN.
          LABEL FT 52  5  5
          LABEL FT 61  6  6 1 WAY    ONE WAY
          LABEL FT 62  6  6
          LABEL FT 63  6  6
          LABEL FT 64  6  6
          LABEL FT 65  6  6
          LABEL FT 66  6  6
          LABEL FT 67  6  6
          LABEL FT 68  6  6
          LABEL FT 71  7  7 RAMP     RAMPS
          LABEL FT 72  7  7
          LABEL FT 73  7  7
          LABEL FT 74  7  7
          LABEL FT 75  7  7
          LABEL FT 76  7  7
          LABEL FT 77  7  7
          LABEL FT 78  7  7
          LABEL FT 79  7  7
          LABEL FT 81  8  8 HOV      HOV
          LABEL FT 82  8  8
```

```
LABEL FT 83  8  8
LABEL FT 84  8  8
```

```
   FLORIDA D.O.T.         Miami-Dade      Miami-Dade LRTP Validation Run
PAGE NO.     2
       FSUTMS                                     HIGHWAY ASSIGNMENT
DATE   26OCT01
      VER 5.40
TIME  20:02:09

 "HELABELS.SYN" CONTENTS:

          LABEL FT 85  8  8
          LABEL FT 86  8  8
          LABEL FT 87  8  8
          LABEL FT 88  8  8
          LABEL FT 89  8  8
          LABEL FT 91  9  9 TOLL     TOLL
          LABEL FT 92  9  9
          LABEL FT 93  9  9
          LABEL FT 94  9  9
          LABEL FT 95  9  9
          LABEL FT 96  9  9
          LABEL FT 97  9  9
          LABEL FT 98  9  9
          LABEL FT 99  9  9
          LABEL AT 11  1  1 CBD      CBD
          LABEL AT 12  1  1
          LABEL AT 13  1  1
          LABEL AT 14  1  1
          LABEL AT 21  2  2 FRINGE   FRINGE
          LABEL AT 31  3  3 RESID.   RESIDENTIAL
          LABEL AT 32  3  3
          LABEL AT 33  3  3
          LABEL AT 34  3  3
          LABEL AT 41  4  4 OBD      OBD
          LABEL AT 42  4  4
          LABEL AT 43  4  4
          LABEL AT 44  4  4
          LABEL AT 51  5  5 RURAL    RURAL
          LABEL AT 52  5  5
```

```
   FLORIDA D.O.T.         Miami-Dade      Miami-Dade LRTP Validation Run
PAGE NO.     3
       FSUTMS                                     HIGHWAY ASSIGNMENT
DATE   26OCT01
      VER 5.40
TIME  20:02:09
```

FACILITY TYPES SELECTED:

FACILITY TYPES SKIPPED:

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	

AREA TYPES SELECTED:

AREA TYPES SKIPPED:

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	

```
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***    *** ***         ***  ***  ***    *** ***
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********** ******       ******   ********** ***
***    *** ***           ****    ***    *** ***
***    *** **********    ****    ***    *** **********
***    *** **********     **     ***    *** **********
```

(CONTACT DATA MANAGER (BMMP) 904-488-4640 IF YOU HAVE QUESTIONS)

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****   *****   ****   ****  ****   *****  ****   *****  *****   ***   *   *
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```

HEVAL MODULE (D5520931.DRIVER.SETUP.FORT(HEVAL))

A GENERAL PURPOSE HIGHWAY EVALUATION PROGRAM DESIGNED TO PROVIDE THE TRANSPORTATION PLANNER WITH A TOOL TO EVALUATE A HIGHWAY ASSIGNMENT. THE PROGRAM OPERATES IN TWO MODES. ONE MODE ALLOWS THE USER TO PRINT A VARIETY OF REPORTS DESIGNED TO ASSIST IN THE TASK OF MODEL VALIDATION. THIS MODE IS REFERRED TO INTERNALLY AS VALIDATION AND IS SET BY THE USER WITH A STATEMENT - "VALIDATE=T"
THE OTHER MODE IS AS AN ASSIGNMENT ANALYSIS TOOL. THIS MODE IS GENERALLY USED FOR ASSIGNMENTS TO FUTURE YEAR NETWORKS. THIS MODE IS SET BY THE USER WITH A STATEMENT "ANALYSIS=T".

INPUT DATA FOR THIS RUN:

USES HRLDXY FILE AS DATA SOURCE
RATES=1979 UROAD AND CUTS RATES

OUTPUT DATA SETS FOR THIS RUN:

PRINTOUT ONLY

DATE AND TIME OF THIS RUN:

26OCT01 (DDMMMYY) 20:02:09 (HH.MM.SS)

TYPE OF RUN:

ANALYSIS

```
 ***    ****   ****  *   *  *   *  ****   *****  *****   ***   *  *   ****
*   *  *      *      *   *  ** **  *   *    *      *    *   *  **  *  *
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*   *  ****   ****    ***   *   *  *        *    *****   ***   *  *  ****
```

FACILITY AND AREA TYPES AS DEFINED IN THE HNET MODULE:

FACILITY TYPE 1 - FREEWAYS
FACILITY TYPE 2 - EXPRESSWAYS AND DIVIDED ARTERIALS
FACILITY TYPE 3 - UNDIVIDED ARTERIALS
FACILITY TYPE 4 - COLLECTORS
FACILITY TYPE 5 - LOCALS (CENTROID CONNECTORS) - NOT INCLUDED
FACILITY TYPE 6 - ONE WAYS
FACILITY TYPE 8 - HOV LINKS
FACILITY TYPE 9 - TOLL RAMPS

AREA TYPE 1 - CBD
AREA TYPE 2 - FRINGE
AREA TYPE 3 - RESIDENTIAL
AREA TYPE 4 - OBD
AREA TYPE 5 - RURAL

LANE VALUES REPORTED ARE TRUE LANE VALUES.

THE FOLLOWING RATES ARE USED IN THE VARIOUS CALCULATIONS:

ACCIDENT RATES:	FREEWAYS	-	1.060 PER MILLION VEHICLE MILES
	ARTERIALS	-	5.830 PER MILLION VEHICLE MILES
	LOCALS	-	8.630 PER MILLION VEHICLE MILES
INJURY RATES :	FREEWAYS	-	0.730 PER MILLION VEHICLE MILES
	ARTERIALS	-	3.850 PER MILLION VEHICLE MILES
	LOCALS	-	3.490 PER MILLION VEHICLE MILES
FATALITY RATES:	FREEWAYS	-	0.009 PER MILLION VEHICLE MILES
	ARTERIALS	-	0.019 PER MILLION VEHICLE MILES
	LOCALS	-	0.018 PER MILLION VEHICLE MILES

```
 ***    ****   ****  *   *  *   *  ****   *****  *****   ***   *  *   ****
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*****   ***    ***   *   *  * * *  ****     *      *    *   *  ** *   ***
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*   *  ****   ****    ***   *   *  *        *    *****   ***   *  *  ****
```

CARBON MONOXIDE EMISSIONS (GRAMS PER VEHICLE MILE)

SPEED	FT 1	FT 2	FT 3	FT 4	FT 5	FT 6	FT 7	FT 8	FT 9
LT 20	37.73	37.73	37.73	37.73	37.73	37.73	37.73	37.73	37.73
20 - 25	27.77	27.77	27.77	27.77	27.77	27.77	27.77	27.77	27.77
25 - 30	21.82	21.82	21.82	21.82	21.82	21.82	21.82	21.82	21.82
30 - 35	17.72	17.72	17.72	17.72	17.72	17.72	17.72	17.72	17.72
35 - 40	14.74	14.74	14.74	14.74	14.74	14.74	14.74	14.74	14.74
40 - 45	12.49	12.49	12.49	12.49	12.49	12.49	12.49	12.49	12.49
45 - 50	10.76	10.76	10.76	10.76	10.76	10.76	10.76	10.76	10.76
50 - 55	10.64	10.64	10.64	10.64	10.64	10.64	10.64	10.64	10.64
55 - 60	12.84	12.84	12.84	12.84	12.84	12.84	12.84	12.84	12.84
GE 60	17.23	17.23	17.23	17.23	17.23	17.23	17.23	17.23	17.23

HYDROCARBON EMISSIONS (GRAMS PER VEHICLE MILES)

SPEED	FT 1	FT 2	FT 3	FT 4	FT 5	FT 6	FT 7	FT 8	FT 9
LT 20	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
20 - 25	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73
25 - 30	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47
30 - 35	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29
35 - 40	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16

```
    ³ 40 - 45  ³   1.05     1.05     1.05     1.05     1.05     1.05     1.05
1.05     1.05 ³
    ³ 45 - 50  ³   0.97     0.97     0.97     0.97     0.97     0.97     0.97
0.97     0.97 ³
    ³ 50 - 55  ³   0.95     0.95     0.95     0.95     0.95     0.95     0.95
0.95     0.95 ³
    ³ 55 - 60  ³   0.98     0.98     0.98     0.98     0.98     0.98     0.98
0.98     0.98 ³
    ³  GE 60   ³   1.07     1.07     1.07     1.07     1.07     1.07     1.07
1.07     1.07 ³
    +----------+--------+--------+--------+--------+--------+--------+--------+-
-------+--------+
```

OXIDES OF NITROGEN EMISSIONS (GRAMS PER VEHICLE MILE)

```
    +----------+--------+--------+--------+--------+--------+--------+--------+-
-------+--------+
    ³  SPEED   ³  FT 1  ³  FT 2  ³  FT 3  ³  FT 4  ³  FT 5  ³ FT 6  ³  FT 7  ³
FT 8  ³  FT 9  ³
    +----------+--------+--------+--------+--------+--------+--------+--------+-
-------+--------+
    ³          ³
³
    ³  LT 20   ³   1.99     1.99     1.99     1.99     1.99     1.99     1.99
1.99     1.99 ³
    ³ 20 - 25  ³   1.89     1.89     1.89     1.89     1.89     1.89     1.89
1.89     1.89 ³
    ³ 25 - 30  ³   1.88     1.88     1.88     1.88     1.88     1.88     1.88
1.88     1.88 ³
    ³ 30 - 35  ³   1.89     1.89     1.89     1.89     1.89     1.89     1.89
1.89     1.89 ³
    ³ 35 - 40  ³   1.91     1.91     1.91     1.91     1.91     1.91     1.91
1.91     1.91 ³
    ³ 40 - 45  ³   1.94     1.94     1.94     1.94     1.94     1.94     1.94
1.94     1.94 ³
    ³ 45 - 50  ³   1.99     1.99     1.99     1.99     1.99     1.99     1.99
1.99     1.99 ³
    ³ 50 - 55  ³   2.25     2.25     2.25     2.25     2.25     2.25     2.25
2.25     2.25 ³
    ³ 55 - 60  ³   2.56     2.56     2.56     2.56     2.56     2.56     2.56
2.56     2.56 ³
    ³  GE 60   ³   2.92     2.92     2.92     2.92     2.92     2.92     2.92
2.92     2.92 ³
    +----------+--------+--------+--------+--------+--------+--------+--------+-
-------+--------+
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 ***    ****   ****  *   *  *   *  ****   *****  *****   ***   *  *   ****
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*****   ***    ***   *   *  * * *  ****     *      *    *   *  ** *   ***
*   *      *      *  *   *  *   *  *        *      *    *   *  * **      *
*   *  ****   ****    ***   *   *  *        *    *****   ***   *  *  ****
```

FUEL USE (GALLONS PER MILE)

SPEED	FT 1	FT 2	FT 3	FT 4	FT 5	FT 6	FT 7	FT 8	FT 9
LT 20	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
20 - 25	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
25 - 30	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
30 - 35	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
35 - 40	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
40 - 45	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
45 - 50	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
50 - 55	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
55 - 60	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
60 - 65	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
GE 65	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06

EVAL USES CONSTRUCTION CODES TO CALCULATE NEW AND IMPROVED
LANE MILES AND CONSTRUCTION COSTS. THE CODE DEFINITIONS ARE:

CODE
1 - ADD 2 LANES, FT REMAINS SAME (ONE WAY - ADD 1 LANE)
2 - ADD 4 LANES, FT REMAINS SAME (ONE WAY - ADD 2 LANES)
3 - ADD 6 LANES, FT REMAINS SAME (ONE WAY - ADD 3 LANES)
4 - ADD 2 LANES, UPGRADE FT BY 1
5 - ADD 2 LANES, UPGRADE FT BY 2
6 - ADD 4 LANES, UPGRADE FT BY 1
7 - NEW CONSTRUCTION - 2 LANES (ONE WAY - 1 LANE)
8 - NEW CONSTRUCTION - 4 LANES (ONE WAY - 2 LANES)
9 - NEW CONSTRUCTION - 6 LANES (ONE WAY - 3 LANES)
0 - NO NEW CONSTRUCTION

CONSTRUCTION COST : THOUSAND DOLLARS PER MILE

CODE	FT 1	FT 2	FT 3	FT 4	FT 5	FT 6	FT 7	FT 8	FT 9
1	1901.00	1478.00	1267.00	1267.00	0.00	1267.00	1267.00	1901.00	1901.00
2	2628.00	2464.00	2217.00	2217.00	0.00	2217.00	2217.00	2628.00	2628.00
3	2713.00	2851.00	2534.00	2534.00	0.00	2534.00	2534.00	2713.00	2713.00
4	0.00	1478.00	1267.00	1267.00	0.00	1267.00	1267.00	0.00	0.00
5	0.00	0.00	1267.00	1267.00	0.00	1267.00	1267.00	0.00	0.00
6	0.00	2464.00	2217.00	2217.00	0.00	2217.00	2217.00	0.00	0.00
7	0.00	1267.00	1267.00	1267.00	0.00	1267.00	1267.00	0.00	0.00
8	2059.00	2112.00	1760.00	1760.00	0.00	1760.00	1760.00	2059.00	2059.00
9	2628.00	2464.00	2218.00	2218.00	0.00	2218.00	2218.00	2628.00	2628.00

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- REPORT: TOTAL SYSTEM MILES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	6.14	1.68	88.13	55.51	2.03	153.49
D. ART	5.76	0.47	265.45	207.28	16.95	495.91
U. ART	6.58	0.20	163.62	59.86	62.21	292.47
COLLCTR	7.03	0.85	342.72	74.55	118.67	543.82
1 WAY	16.69	1.18	19.26	32.05	0.00	69.18
RAMP	6.00	1.93	50.85	31.07	1.67	91.52
HOV	0.00	0.00	24.07	3.27	0.00	27.34
TOLL	0.00	0.00	103.72	4.39	25.41	133.52
Totals	48.20	6.31	1057.82	467.98	226.94	1807.25

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- REPORT: TOTAL LANE MILES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	21.77	5.63	293.50	182.21	10.40	513.51
D. ART	26.17	2.32	1149.83	997.53	64.58	2240.43
U. ART	22.60	0.40	383.60	176.32	126.76	709.68
COLLCTR	15.95	1.70	821.52	200.62	245.52	1285.31
1 WAY	44.12	2.55	48.25	82.03	0.00	176.95
RAMP	7.91	2.76	67.96	39.36	2.80	120.79
HOV	0.00	0.00	24.07	3.27	0.00	27.34
TOLL	0.00	0.00	234.66	8.44	49.51	292.61
Totals	138.52	15.36	3023.39	1689.78	499.57	5366.62

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- REPORT: TOTAL DIRECTIONAL SYSTEM MILES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	6.14	1.68	92.53	55.51	2.60	158.46
D. ART	11.52	0.94	530.90	414.56	33.90	991.82
U. ART	13.14	0.40	327.24	119.72	124.42	584.92
COLLCTR	14.06	1.70	685.44	149.10	237.34	1087.64
1 WAY	16.69	1.18	19.26	32.05	0.00	69.18
RAMP	6.00	1.93	52.55	31.33	1.67	93.48
HOV	0.00	0.00	24.07	3.27	0.00	27.34
TOLL	0.00	0.00	104.13	4.39	25.41	133.93
Totals	67.55	7.83	1836.12	809.93	425.34	3146.77

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- REPORT: AVERAGE LINK LENGTH USING SYSTEM MILES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.18	0.14	0.35	0.32	0.41	0.32
D. ART	0.12	0.09	0.26	0.20	0.48	0.23
U. ART	0.10	0.10	0.27	0.20	0.71	0.28
COLLCTR	0.09	0.08	0.26	0.21	0.52	0.27
1 WAY	0.06	0.07	0.21	0.23	0.00	0.14
RAMP	0.10	0.10	0.12	0.09	0.17	0.11
HOV	0.00	0.00	0.21	0.16	0.00	0.20
TOLL	0.00	0.00	0.28	0.15	0.59	0.30
Totals	0.09	0.10	0.25	0.20	0.55	0.24

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- REPORT: TOTAL VMT USING VOLUMES ON LINKS WITH CAPACITIES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	347424	87573	5116441	3841102	156153	9548694
D. ART	184202	11247	8518975	8068588	287895	17070906
U. ART	116668	2140	2359650	1277402	335746	4091605
COLLCTR	48136	9644	2921623	1004147	363220	4346770
1 WAY	170773	8083	205536	381159	0	765550
RAMP	68169	29151	635387	462281	20219	1215207
HOV	0	0	208900	22039	0	230940
TOLL	0	0	1994477	75532	504756	2574764
Totals	935371	147838	21960990	15132251	1667988	39844436

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- REPORT: TOTAL VMT USING CAPACITY

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	420439	108776	5474823	3415518	188443	9607999
D. ART	215385	20539	10097929	8535324	857589	19726766
U. ART	168216	2574	2784530	1342728	1477669	5775717
COLLCTR	92544	9794	4851903	1215510	1543637	7713387
1 WAY	320480	20472	379193	625581	0	1345727
RAMP	123727	41992	1024790	596007	34513	1821030
HOV	0	0	451313	61313	0	512625
TOLL	0	0	4330459	153136	858098	5341693
Totals	1340790	204147	29394940	15945117	4959949	51844944

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- REPORT: RATIO OF VOLUME OVER CAPACITY VMT

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.83	0.81	0.93	1.12	0.83	0.99
D. ART	0.86	0.55	0.84	0.95	0.34	0.87
U. ART	0.69	0.83	0.85	0.95	0.23	0.71
COLLCTR	0.52	0.98	0.60	0.83	0.24	0.56
1 WAY	0.53	0.39	0.54	0.61	0.00	0.57
RAMP	0.55	0.69	0.62	0.78	0.59	0.67
HOV	0.00	0.00	0.46	0.36	0.00	0.45
TOLL	0.00	0.00	0.46	0.49	0.59	0.48
Totals	0.70	0.72	0.75	0.95	0.34	0.77

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- REPORT: TOTAL VHT USING VOLUMES ON LINKS WITH CAPACITIES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	9552	2556	205705	142041	2816	362669
D. ART	13653	416	379058	446637	6209	845973
U. ART	7137	93	111267	74915	7912	201324
COLLCTR	3029	621	134920	53098	11592	203261
1 WAY	12093	438	9227	20627	0	42384
RAMP	5941	1800	46047	29968	742	84498
HOV	0	0	5223	687	0	5910
TOLL	0	0	75601	1482	13935	91018
Totals	51404	5923	967048	769455	43207	1837038

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- REPORT: TOTAL VHT USING CAPACITIES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	11468	3027	181088	117078	3394	316055
D. ART	14221	702	403626	416307	17469	852324
U. ART	9188	109	117380	64321	34018	225017
COLLCTR	5326	586	195437	53867	37849	293066
1 WAY	20963	911	15770	30857	0	68501
RAMP	9760	2305	54717	33616	1037	101436
HOV	0	0	10259	1550	0	11809
TOLL	0	0	175348	3959	21483	200789
Totals	70927	7640	1153623	721556	115251	2068997

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- REPORT: RATIO OF VOLUME OVER CAPACITY VHT

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.83	0.84	1.14	1.21	0.83	1.15
D. ART	0.96	0.59	0.94	1.07	0.36	0.99
U. ART	0.78	0.85	0.95	1.16	0.23	0.89
COLLCTR	0.57	1.06	0.69	0.99	0.31	0.69
1 WAY	0.58	0.48	0.59	0.67	0.00	0.62
RAMP	0.61	0.78	0.84	0.89	0.72	0.83
HOV	0.00	0.00	0.51	0.44	0.00	0.50
TOLL	0.00	0.00	0.43	0.37	0.65	0.45
Totals	0.72	0.78	0.84	1.07	0.37	0.89

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- REPORT: TOTAL VOLUME ON ALL LINKS WITH CAPACITIES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	1977127	637061	14551383	11732662	365460	29263694
D. ART	1651246	123876	33424768	41218748	582378	77001016
U. ART	1241925	21274	9424637	6767423	514329	17969588
COLLCTR	573770	116356	11982379	4956315	819379	18448200
1 WAY	2829918	117568	1014632	1891917	0	5854035
RAMP	687908	302608	5023771	4467112	129268	10610665
HOV	0	0	678104	104464	0	782568
TOLL	0	0	5492131	293578	779006	6564714
Totals	8961895	1318742	81591800	71432216	3189820	166494464

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- REPORT: TOTAL CAPACITIES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	2452098	772782	15743568	10438994	434868	29842310
D. ART	1951344	211696	38495568	42083028	1625132	84366768
U. ART	1726382	25740	10506365	6903827	2110594	21272908
COLLCTR	1032248	126742	19229242	6070658	3130984	29589874
1 WAY	5173614	283316	1798176	2717067	0	9972173
RAMP	1309409	392122	8289013	6015511	184890	16190945
HOV	0	0	2156250	393750	0	2550000
TOLL	0	0	12635190	638123	1243881	14517194
Totals	13645095	1812398	108853376	75260952	8730349	208302160

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- REPORT: RATIO OF VOLUME OVER CAPACITY

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.81	0.82	0.92	1.12	0.84	0.98
D. ART	0.85	0.59	0.87	0.98	0.36	0.91
U. ART	0.72	0.83	0.90	0.98	0.24	0.84
COLLCTR	0.56	0.92	0.62	0.82	0.26	0.62
1 WAY	0.55	0.41	0.56	0.70	0.00	0.59
RAMP	0.53	0.77	0.61	0.74	0.70	0.66
HOV	0.00	0.00	0.31	0.27	0.00	0.31
TOLL	0.00	0.00	0.43	0.46	0.63	0.45
Totals	0.66	0.73	0.75	0.95	0.37	0.80

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- REPORT: TOTAL VOLUME ON ALL LINKS

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	1977127	637061	14551383	11732662	365460	29263694
D. ART	1651246	123876	33424768	41218748	582378	77001016
U. ART	1241925	21274	9424637	6767423	514329	17969588
COLLCTR	573770	116356	11982379	4956315	819379	18448200
1 WAY	2829918	117568	1014632	1891917	0	5854035
RAMP	687908	302608	5023771	4467112	129268	10610665
HOV	0	0	678104	104464	0	782568
TOLL	0	0	5492131	293578	779006	6564714
Totals	8961895	1318742	81591800	71432216	3189820	166494464

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- REPORT: VOLUME PERCENTAGES ON ALL LINKS

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	1.19	0.38	8.74	7.05	0.22	17.58
D. ART	0.99	0.07	20.08	24.76	0.35	46.25
U. ART	0.75	0.01	5.66	4.06	0.31	10.79
COLLCTR	0.34	0.07	7.20	2.98	0.49	11.08
1 WAY	1.70	0.07	0.61	1.14	0.00	3.52
RAMP	0.41	0.18	3.02	2.68	0.08	6.37
HOV	0.00	0.00	0.41	0.06	0.00	0.47
TOLL	0.00	0.00	3.30	0.18	0.47	3.94
Totals	5.38	0.79	49.01	42.90	1.92	100.00

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- REPORT: AVERAGE TOTAL VOLUMES ON ALL LINKS

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	56489	53088	57744	68213	73092	61478
D. ART	33025	24775	32737	40490	16639	36168
U. ART	17999	10637	15552	23176	5845	17001
COLLCTR	7356	10578	9119	13806	3578	9266
1 WAY	10599	7348	11150	13710	0	11434
RAMP	10919	15130	11418	13295	12927	12210
HOV	0	0	5897	4974	0	5754
TOLL	0	0	14724	10123	18116	14752
Totals	15946	19981	19371	30204	7780	21864

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- REPORT: ORIGINAL SPEEDS (MPH)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	38.26	39.37	44.76	46.72	56.93	45.22
D. ART	22.84	31.69	34.55	32.76	49.59	33.92
U. ART	21.32	26.09	28.79	28.57	43.68	30.73
COLLCTR	18.85	21.70	27.54	28.92	42.52	29.84
1 WAY	18.51	25.56	28.53	25.97	0.00	24.21
RAMP	15.01	20.68	24.91	25.01	36.04	23.96
HOV	0.00	0.00	51.00	47.39	0.00	50.54
TOLL	0.00	0.00	46.50	46.21	56.76	48.17
Totals	20.29	25.63	31.00	31.34	44.05	31.99

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- REPORT: CONGESTED SPEEDS (MPH)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	36.95	34.29	30.03	29.35	55.52	30.27
D. ART	15.32	28.20	24.79	20.16	47.85	22.82
U. ART	17.76	23.53	23.37	19.96	43.18	24.74
COLLCTR	17.43	16.72	24.15	22.58	40.72	26.07
1 WAY	15.34	19.83	24.00	20.08	0.00	19.51
RAMP	12.47	16.69	17.59	16.46	29.30	16.86
HOV	0.00	0.00	43.99	39.56	0.00	43.41
TOLL	0.00	0.00	21.86	29.69	39.28	24.14
Totals	16.75	20.82	24.17	20.88	41.83	24.33

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- REPORT: PERCENT CHANGE IN SPEED

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	-3.41	-12.93	-32.92	-37.18	-2.49	-33.06
D. ART	-32.92	-11.00	-28.26	-38.45	-3.51	-32.74
U. ART	-16.69	-9.80	-18.83	-30.13	-1.13	-19.47
COLLCTR	-7.54	-22.95	-12.30	-21.92	-4.23	-12.63
1 WAY	-17.13	-22.41	-15.88	-22.68	0.00	-19.43
RAMP	-16.97	-19.31	-29.38	-34.18	-18.71	-29.63
HOV	0.00	0.00	-13.74	-16.53	0.00	-14.10
TOLL	0.00	0.00	-52.98	-35.76	-30.79	-49.89
Totals	-17.49	-18.79	-22.04	-33.37	-5.04	-23.95

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- REPORT: TOTAL VMT USING LINK VOLUMES (FSUTMS.V54+)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	347424	87573	5116441	3841102	156153	9548694
D. ART	184202	11247	8518975	8068588	287895	17070906
U. ART	116668	2140	2359650	1277402	335746	4091605
COLLCTR	48136	9644	2921623	1004147	363220	4346770
1 WAY	170773	8083	205536	381159	0	765550
RAMP	68169	29151	635387	462281	20219	1215207
HOV	0	0	208900	22039	0	230940
TOLL	0	0	1947376	75527	495517	2518420
Totals	935371	147838	21913888	15132246	1658749	39788092

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- REPORT: TOTAL VHT (FREE-FLOW TIME)
USING LINK VOLUMES (FSUTMS.V54+)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	9088	2226	113714	82201	2742	209971
D. ART	8088	359	247718	246111	5796	508071
U. ART	5450	82	81822	44126	7707	139188
COLLCTR	2534	445	103203	34706	8546	149434
1 WAY	9234	311	7410	14145	0	31100
RAMP	4455	1373	23950	17376	581	47734
HOV	0	0	4098	465	0	4563
TOLL	0	0	41738	1460	8599	51797
Totals	38849	4795	623654	440590	33971	1141859

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- REPORT: TOTAL VHT (CONGESTED TIME)
USING LINK VOLUMES (FSUTMS.V54+)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	9552	2556	205705	142041	2816	362669
D. ART	13653	416	379058	446637	6209	845973
U. ART	7137	93	111267	74915	7912	201324
COLLCTR	3029	621	134920	53098	11592	203261
1 WAY	12093	438	9227	20627	0	42384
RAMP	5941	1800	46047	29968	742	84498
HOV	0	0	5223	687	0	5910
TOLL	0	0	75601	1482	13935	91018
Totals	51404	5923	967048	769455	43207	1837038

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- REPORT: SPEEDS (FREE-FLOW TIME) USING LINK VOLUMES (FSUTMS.V54+)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	38.23	39.34	44.99	46.73	56.94	45.48
D. ART	22.77	31.36	34.39	32.78	49.67	33.60
U. ART	21.41	26.08	28.84	28.95	43.56	29.40
COLLCTR	19.00	21.66	28.31	28.93	42.50	29.09
1 WAY	18.49	26.00	27.74	26.95	0.00	24.62
RAMP	15.30	21.24	26.53	26.61	34.81	25.46
HOV	0.00	0.00	50.98	47.35	0.00	50.61
TOLL	0.00	0.00	46.66	51.72	57.63	48.62
Totals	24.08	30.83	35.14	34.35	48.83	34.85

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- REPORT: SPEEDS (CONGESTED TIME) USING LINK VOLUMES (FSUTMS.V54+)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	36.37	34.26	24.87	27.04	55.45	26.33
D. ART	13.49	27.03	22.47	18.07	46.36	20.18
U. ART	16.35	23.07	21.21	17.05	42.43	20.32
COLLCTR	15.89	15.53	21.65	18.91	31.33	21.39
1 WAY	14.12	18.47	22.28	18.48	0.00	18.06
RAMP	11.47	16.20	13.80	15.43	27.23	14.38
HOV	0.00	0.00	39.99	32.10	0.00	39.08
TOLL	0.00	0.00	25.76	50.97	35.56	27.67
Totals	18.20	24.96	22.66	19.67	38.39	21.66

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- REPORT: PERCENT CHANGE IN SPEED USING LINK VOLUMES (FSUTMS.V54+)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	-4.85	-12.91	-44.72	-42.13	-2.61	-42.10
D. ART	-40.76	-13.83	-34.65	-44.90	-6.66	-39.94
U. ART	-23.64	-11.54	-26.46	-41.10	-2.59	-30.86
COLLCTR	-16.35	-28.32	-23.51	-34.64	-26.28	-26.48
1 WAY	-23.64	-28.98	-19.69	-31.42	0.00	-26.62
RAMP	-25.02	-23.73	-47.99	-42.02	-21.77	-43.51
HOV	0.00	0.00	-21.54	-32.21	0.00	-22.78
TOLL	0.00	0.00	-44.79	-1.45	-38.29	-43.09
Totals	-24.42	-19.04	-35.51	-42.74	-21.38	-37.84

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- REPORT: TOTAL ACCIDENT OCCURENCES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.37	0.09	5.42	4.07	0.17	10.12
D. ART	1.07	0.07	49.67	47.04	1.68	99.52
U. ART	0.67	0.01	13.54	7.33	1.93	23.49
COLLCTR	0.25	0.05	15.46	5.31	1.92	22.99
1 WAY	0.98	0.05	1.18	2.19	0.00	4.39
RAMP	0.39	0.17	3.65	2.65	0.12	6.98
HOV	0.00	0.00	0.22	0.02	0.00	0.24
TOLL	0.00	0.00	2.11	0.08	0.54	2.73
Totals	3.74	0.44	91.25	68.70	6.34	170.47

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- REPORT: TOTAL INJURY OCCURENCES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.25	0.06	3.74	2.80	0.11	6.97
D. ART	0.71	0.04	32.80	31.06	1.11	65.72
U. ART	0.41	0.01	8.31	4.50	1.18	14.40
COLLCTR	0.15	0.03	9.12	3.13	1.13	13.56
1 WAY	0.60	0.03	0.72	1.34	0.00	2.69
RAMP	0.24	0.10	2.24	1.63	0.07	4.28
HOV	0.00	0.00	0.15	0.02	0.00	0.17
TOLL	0.00	0.00	1.46	0.06	0.37	1.88
Totals	2.36	0.28	58.52	44.54	3.98	109.68

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- REPORT: TOTAL FATALITY OCCURENCES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.00	0.00	0.05	0.03	0.00	0.09
D. ART	0.00	0.00	0.16	0.15	0.01	0.32
U. ART	0.00	0.00	0.04	0.02	0.01	0.08
COLLCTR	0.00	0.00	0.05	0.02	0.01	0.07
1 WAY	0.00	0.00	0.00	0.01	0.00	0.01
RAMP	0.00	0.00	0.01	0.01	0.00	0.02
HOV	0.00	0.00	0.00	0.00	0.00	0.00
TOLL	0.00	0.00	0.02	0.00	0.00	0.02
Totals	0.01	0.00	0.34	0.25	0.02	0.62

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- REPORT: TOTAL EMISSIONS OF CARBON MONOXIDE (KILOGRAMS)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	5319	1444	90513	81444	1982	180703
D. ART	6498	253	215434	236922	3464	462571
U. ART	3984	55	65506	38049	4246	111840
COLLCTR	1814	352	77523	28701	5312	113703
1 WAY	6406	236	5573	11831	0	24047
RAMP	2472	1009	19049	14513	460	37503
HOV	0	0	2955	389	0	3345
TOLL	0	0	26781	861	6774	34416
Totals	26494	3349	503334	412711	22238	968127

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- REPORT: TOTAL EMISSIONS OF HYDROCARBONS (KILOGRAMS)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	411	108	6626	5619	153	12917
D. ART	398	17	14039	14983	293	29731
U. ART	244	3	4169	2389	356	7161
COLLCTR	111	22	4981	1821	418	7352
1 WAY	391	15	355	735	0	1496
RAMP	151	62	1200	905	31	2350
HOV	0	0	234	28	0	262
TOLL	0	0	2145	74	510	2729
Totals	1706	227	33750	26555	1761	63999

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- REPORT: TOTAL EMISSIONS OF OXIDES OF NITROGEN (KILOGRAMS)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	662	167	9855	7409	397	18490
D. ART	362	21	16246	15579	616	32825
U. ART	228	4	4516	2460	653	7862
COLLCTR	96	19	5573	1931	701	8320
1 WAY	339	16	393	736	0	1484
RAMP	135	57	1229	897	40	2358
HOV	0	0	418	43	0	461
TOLL	0	0	4130	169	1281	5579
Totals	1822	284	42360	29224	3688	77378

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- REPORT: TOTAL FUEL USE (GALS)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	21742	5480	320187	240376	9772	597557
D. ART	11527	704	533117	504932	18016	1068297
U. ART	7301	134	147667	79940	21011	256053
COLLCTR	3012	604	182835	62839	22730	272021
1 WAY	10687	506	12862	23853	0	47908
RAMP	4266	1824	39762	28930	1265	76048
HOV	0	0	13073	1379	0	14452
TOLL	0	0	124814	4727	31588	161129
Totals	58536	9252	1374318	946976	104383	2493465

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- REPORT: TOTAL NEW LANE MILEAGE

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	4	0	194	103	0	301
D. ART	0	0	165	191	14	370
U. ART	4	0	54	36	16	111
COLLCTR	0	0	107	40	22	169
1 WAY	1	0	12	24	0	37
RAMP	0	1	56	35	0	92
HOV	0	0	144	20	0	163
TOLL	0	0	162	10	37	209
Totals	9	1	894	458	89	1452

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- REPORT: TOTAL CONSTRUCTION COST (X $1000)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
Totals	0	0	0	0	0	0

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- REPORT: TOTAL DELAY DUE TO CONGESTION (VEH-HRS)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	463.46	329.98	91990.85	59840.40	73.62	152698.33
D. ART	5565.16	57.54	131339.45	200526.30	413.43	337901.91
U. ART	1687.02	10.71	29444.27	30789.25	204.88	62136.13
COLLCTR	495.19	175.89	31716.86	18392.27	3046.74	53826.96
1 WAY	2858.24	126.85	1817.04	6481.62	0.00	11283.76
RAMP	1486.26	427.10	22096.94	12592.19	161.63	36764.11
HOV	0.00	0.00	1125.27	221.17	0.00	1346.44
TOLL	0.00	0.00	33863.31	21.51	5336.37	39221.19
Totals	12555.33	1128.06	343394.00	328864.72	9236.67	695178.81

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HIGHWAY EVALUATION -- YEAR/ALT (a99) : MILES OF ROADWAY AT EACH LEVEL OF SERVICE

	LEVEL OF SERVICE						
	A	B	C	D	E	F	TOTAL
FREEWAY	39.34	19.71	25.51	26.23	23.31	19.39	153.49
D. ART	178.60	109.17	81.15	62.19	33.84	30.96	495.91
U. ART	167.90	26.05	21.03	21.90	21.02	34.56	292.47
COLLCTR	385.89	44.24	30.79	29.25	18.64	35.00	543.82
1 WAY	54.84	8.78	3.87	0.49	0.54	0.66	69.18
RAMP	60.17	9.16	6.82	4.45	5.48	5.45	91.52
HOV	25.31	2.03	0.00	0.00	0.00	0.00	27.34
TOLL	114.94	11.78	2.15	2.62	1.24	0.79	133.52
Total	1026.99	230.93	171.31	147.13	104.08	126.80	1807.25

HIGHWAY EVALUATION -- YEAR/ALT (a99) : PERCENT OF MILEAGE AT EACH LEVEL OF SERVICE

	LEVEL OF SERVICE						
	A	B	C	D	E	F	TOTAL
FREEWAY	2.18	1.09	1.41	1.45	1.29	1.07	8.49
D. ART	9.88	6.04	4.49	3.44	1.87	1.71	27.44
U. ART	9.29	1.44	1.16	1.21	1.16	1.91	16.18
COLLCTR	21.35	2.45	1.70	1.62	1.03	1.94	30.09
1 WAY	3.03	0.49	0.21	0.03	0.03	0.04	3.83
RAMP	3.33	0.51	0.38	0.25	0.30	0.30	5.06
HOV	1.40	0.11	0.00	0.00	0.00	0.00	1.51
TOLL	6.36	0.65	0.12	0.14	0.07	0.04	7.39
Total	56.83	12.78	9.48	8.14	5.76	7.02	100.00

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
1	2161	2516	24294.	36218.	0.67	23	31
1	2429	2431	8360.	34783.	0.24	92	51
1	2504	8497	10738.	12870.	0.83	37	31
1	2506	2507	14488.	34348.	0.42	24	31
1	2509	2510	51374.	51978.	0.99	24	31
1	2520	8494	43782.	51978.	0.84	24	31
1	2521	8494	47055.	51978.	0.91	24	31
1	2523	2524	5095.	11522.	0.44	45	31
1	2525	2526	17762.	24914.	0.71	44	31
1	2529	2580	6894.	11522.	0.60	45	31
1	2531	7437	8693.	9218.	0.94	47	31
1	2533	2592	12635.	13740.	0.92	36	31
1	2536	7793	41986.	51978.	0.81	24	42
1	2541	2430	64346.	72478.	0.89	12	51
1	2547	2712	14961.	18044.	0.83	23	31
1	2603	2604	17063.	63392.	0.27	21	51
1	2612	2500	10179.	34783.	0.29	92	51
1	2685	3316	37530.	54326.	0.69	23	31
1	3317	8497	10757.	12870.	0.84	37	31
1	3856	4985	106875.	55989.	1.91	12	31
1	4258	2541	64360.	72478.	0.89	12	51
1	4970	4975	0.	18750.	0.00	88	31
1	4995	3858	106878.	55989.	1.91	12	31
1	4998	5001	0.	18750.	0.00	87	31
1	5175	7750	23860.	55989.	0.43	92	31
1	5195	6887	26292.	55989.	0.47	92	31
1	TOTALS		776254.	986874.	0.79	SCREEN LINE 1	

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
2	2170	6508	19758.	34348.	0.58	24	31
2	2427	2426	17084.	34783.	0.49	92	51
2	2458	8194	35165.	55989.	0.63	92	31
2	2491	5979	3268.	9218.	0.35	47	31
2	2859	2717	22113.	34783.	0.64	92	51
2	2971	4481	48724.	48260.	1.01	24	51
2	3175	3658	8584.	11522.	0.74	45	31
2	3574	7266	6749.	12108.	0.56	44	31
2	3781	5727	7832.	12870.	0.61	37	31
2	3788	5881	8884.	11522.	0.77	45	31
2	4053	4054	34308.	55989.	0.61	12	31
2	4056	4052	34589.	55989.	0.62	12	31
2	4250	7275	10191.	36218.	0.28	23	44
2	4273	4275	38118.	51978.	0.73	24	41
2	4620	7269	29267.	34348.	0.85	24	31
2	4754	7810	15293.	24914.	0.61	44	41
2	5082	5084	46131.	50544.	0.91	25	31
2	5083	7316	23702.	12108.	1.96	44	31
2	5349	5352	30963.	51978.	0.60	24	31
2	5582	7327	28463.	34348.	0.83	24	31
2	5726	5728	39421.	50544.	0.78	25	42
2	5879	5883	30855.	34348.	0.90	24	31
2	5976	5981	36611.	34348.	1.07	24	42
2	6074	6076	46924.	51978.	0.90	24	31
2	6153	6156	61742.	51978.	1.19	24	31
2	6199	7345	14760.	11522.	1.28	45	31
2	6251	2456	38352.	55989.	0.68	92	31
2	6252	7974	13320.	9218.	1.45	46	41
2	6253	6254	1002.	9218.	0.11	46	31
2	6307	6308	26415.	34348.	0.77	24	31
2	6337	6342	7919.	16086.	0.49	33	31
2	6384	6387	20938.	34348.	0.61	24	41
2	6452	6458	10395.	34348.	0.30	24	41
2	6456	7512	12479.	12870.	0.97	37	31
2	6556	6558	784.	12500.	0.06	43	51
2	6607	6608	884.	25000.	0.04	43	51
2	7808	7890	11668.	24914.	0.47	44	41
2	TOTALS		843652.	1177374.	0.72	SCREEN LINE	2

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
3	2134	2139	18018.	22761.	0.79	64	43
3	2138	2133	18516.	22761.	0.81	64	43
3	2405	4249	17423.	34783.	0.50	92	51
3	2715	3138	31121.	34348.	0.91	24	31
3	2715	3139	11705.	34348.	0.34	24	44
3	2970	6069	24139.	34348.	0.70	24	31
3	2972	4277	17489.	12500.	1.40	43	51
3	2973	7381	10625.	9218.	1.15	46	31
3	2976	8381	6666.	9218.	0.72	46	31
3	2991	2992	12407.	16086.	0.77	33	31
3	2994	2997	32180.	34348.	0.94	24	31
3	3000	3651	18004.	13740.	1.31	36	31
3	3007	7593	27922.	16892.	1.65	24	41
3	3099	7825	8572.	25782.	0.33	37	31
3	3137	3138	40341.	51978.	0.78	24	41
3	3142	3143	39591.	34348.	1.15	24	41
3	3146	3147	45773.	51978.	0.88	24	41
3	3150	3628	33020.	34348.	0.96	24	31
3	3156	3157	12846.	15326.	0.84	42	31
3	3160	3161	3938.	11522.	0.34	45	31
3	3166	7404	34860.	51978.	0.67	24	31
3	3173	3174	7831.	11522.	0.68	45	31
3	3181	3182	8467.	12870.	0.66	37	31
3	3187	3297	10498.	25782.	0.41	37	31
3	3206	8097	13727.	17174.	0.80	32	41
3	3209	8096	30993.	34348.	0.90	24	41
3	3302	3303	34037.	34348.	0.99	24	31
3	3307	7414	2183.	9218.	0.24	46	31
3	3721	4277	39950.	54326.	0.74	23	41
3	3884	3889	90730.	74478.	1.22	12	31
3	3885	3883	89468.	74478.	1.20	12	31
3	4223	4220	77287.	74478.	1.04	12	41
3	4225	4219	82573.	74478.	1.11	12	41
3	4244	3205	27050.	34783.	0.78	92	51
3	4785	4793	14016.	18750.	0.75	88	31
3	4787	4780	16183.	18750.	0.86	87	31
3	TOTALS		1010148.	1142394.	0.88	SCREEN LINE	3

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
4	2045	2040	62265.	55989.	1.11	12	31
4	2292	4046	79531.	55989.	1.42	12	41
4	2500	4329	10179.	37500.	0.27	92	31
4	2621	7439	26295.	34348.	0.77	24	31
4	2695	2429	8360.	37500.	0.22	92	31
4	2729	2732	13974.	24914.	0.56	44	31
4	2736	2737	54480.	55989.	0.97	12	31
4	2874	4235	23228.	32956.	0.70	41	31
4	2991	2994	14697.	13740.	1.07	36	31
4	3109	4221	49874.	34348.	1.45	24	41
4	3232	3234	56934.	50544.	1.13	25	41
4	3255	8505	16935.	12870.	1.32	37	31
4	3421	4206	46771.	34348.	1.36	24	41
4	3423	4197	47418.	34348.	1.38	24	44
4	3592	3594	26853.	24914.	1.08	44	44
4	3763	8505	17044.	12870.	1.32	37	31
4	4134	5996	36248.	34348.	1.06	24	31
4	4146	4163	33987.	37500.	0.91	12	31
4	4162	4144	31104.	37500.	0.83	12	31
4	4200	7656	19694.	12870.	1.53	37	44
4	4231	4315	25112.	37500.	0.67	12	31
4	4306	2985	31645.	37500.	0.84	12	31
4	4429	4773	31206.	34348.	0.91	24	44
4	4636	4637	48107.	51978.	0.93	24	44
4	4637	7875	68933.	51978.	1.33	24	41
4	4777	4783	12285.	11522.	1.07	45	41
4	4926	4928	25680.	17174.	1.50	32	41
4	4927	2291	84065.	55989.	1.50	12	41
4	5103	5104	58705.	51978.	1.13	24	41
4	5367	7385	45166.	34348.	1.31	24	41
4	5606	7390	36904.	33392.	1.11	25	41
4	5750	5751	61477.	50544.	1.22	25	41
4	5906	5908	37729.	34348.	1.10	24	31
4	6100	6101	37613.	50544.	0.74	25	41
4	7300	8071	40492.	34348.	1.18	24	41
4	8391	8392	4347.	16086.	0.27	41	41
4	TOTALS		1325335.	1278962.	1.04	SCREEN LINE	4

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
5	2097	2103	11250.	22761.	0.49	64	43
5	2102	2097	11226.	22761.	0.49	64	43
5	2725	2730	10457.	11522.	0.91	45	44
5	3428	3429	46498.	51978.	0.89	24	44
5	3437	3439	25133.	12870.	1.95	37	44
5	3446	3447	10338.	24914.	0.41	44	41
5	3456	3457	35622.	34348.	1.04	24	41
5	3463	3464	14589.	22761.	0.64	64	41
5	3467	3466	11297.	22761.	0.50	64	41
5	3471	3472	24911.	25782.	0.97	37	41
5	3477	3478	38364.	34348.	1.12	24	31
5	3488	3489	33678.	34348.	0.98	24	41
5	3497	3498	30099.	34348.	0.88	24	41
5	3504	3506	38289.	51978.	0.74	24	31
5	3511	3512	26339.	34348.	0.77	24	31
5	3518	3519	15505.	32956.	0.47	41	31
5	3527	3528	25928.	33392.	0.78	25	41
5	3538	3539	6099.	11522.	0.53	45	31
5	3544	3546	32446.	34348.	0.94	24	31
5	3552	3553	17648.	31696.	0.56	34	41
5	3563	3564	38790.	34348.	1.13	24	41
5	3900	3907	95060.	74478.	1.28	12	31
5	3902	3897	94231.	74478.	1.27	12	31
5	4196	4198	99242.	74478.	1.33	12	41
5	4202	4195	94007.	74478.	1.26	12	41
5	4669	4685	14990.	18750.	0.80	88	31
5	4675	4665	14121.	18750.	0.75	87	31
5	6998	6999	50638.	34348.	1.47	24	41
5	TOTALS		966796.	989850.	0.98	SCREEN LINE	5

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SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
6	2125	2115	65917.	55989.	1.18	12	41
6	2416	2720	31658.	34348.	0.92	24	41
6	2416	4668	25648.	32652.	0.79	33	41
6	2435	3626	8995.	37500.	0.24	92	31
6	2504	2506	2781.	9218.	0.30	46	31
6	2554	7210	30362.	36218.	0.84	23	31
6	2639	3610	8882.	11522.	0.77	45	31
6	2640	6864	30609.	34348.	0.89	24	31
6	2641	3595	9785.	11522.	0.85	45	31
6	2710	2437	9886.	37500.	0.26	92	31
6	2745	4943	16099.	11522.	1.40	45	31
6	2762	2766	65853.	55989.	1.18	12	41
6	2764	2768	4786.	15457.	0.31	67	41
6	2767	2763	4459.	15457.	0.29	67	41
6	3011	3014	8945.	12108.	0.74	44	41
6	3012	3018	38457.	34348.	1.12	24	41
6	3261	3262	40111.	34348.	1.17	24	31
6	3409	4802	31545.	13740.	2.30	36	41
6	3482	3484	16491.	11522.	1.43	45	41
6	3483	6980	47645.	34348.	1.39	24	41
6	3495	8240	14947.	12108.	1.23	44	31
6	3723	7387	10232.	11522.	0.89	45	41
6	3846	5782	18674.	23608.	0.79	45	31
6	3909	7137	62963.	55989.	1.12	12	41
6	4016	4019	63604.	55989.	1.14	12	31
6	4316	7453	15943.	34348.	0.46	24	44
6	4322	6956	31434.	55989.	0.56	12	31
6	4539	4541	35258.	32652.	1.08	33	41
6	4540	4542	31625.	32652.	0.97	33	41
6	4666	4667	15668.	16086.	0.97	33	41
6	4792	4797	34142.	34348.	0.99	24	41
6	4946	4018	70916.	55989.	1.27	12	31
6	5132	5133	40053.	34348.	1.17	24	41
6	5134	7499	50188.	34348.	1.46	24	41
6	5386	5387	41743.	33392.	1.25	25	41
6	5639	5643	25973.	23608.	1.10	45	12
6	5642	5644	33963.	33392.	1.02	25	12
6	5784	5786	38767.	33392.	1.16	25	41
6	5929	5936	27193.	23608.	1.15	45	41
6	5931	5933	46938.	50544.	0.93	25	41
6	6033	6034	25259.	13740.	1.84	36	31
6	6957	4321	35776.	55989.	0.64	12	31
6	7139	4671	54584.	55989.	0.97	12	41

6	TOTALS	1324755.	1353286.	0.98

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SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
7	2004	7854	68964.	54326.	1.27	23	32
7	2039	2051	28797.	33392.	0.86	25	42
7	2041	2057	13552.	33392.	0.41	25	12
7	2042	2058	21720.	25044.	0.87	38	43
7	2323	5092	73922.	50544.	1.46	25	31
7	2335	2345	61889.	55989.	1.11	92	31
7	2358	4084	111904.	74478.	1.50	12	41
7	2389	5103	48800.	34348.	1.42	24	31
7	3984	3987	4798.	15707.	0.31	79	11
7	3986	3985	79707.	77174.	1.03	11	11
7	4085	2362	105286.	74478.	1.41	12	41
7	4482	4903	61742.	55989.	1.10	92	31
7	4908	5083	58873.	34348.	1.71	24	41
7	5002	5198	12382.	15707.	0.79	75	11
7	5003	5209	69999.	77174.	0.91	11	11
7	5013	5014	4376.	11522.	0.38	45	11
7	5020	7446	10714.	24478.	0.44	38	11
7	5026	5027	5837.	11522.	0.51	45	11
7	5034	5037	7848.	22174.	0.35	64	11
7	5048	5046	18111.	22174.	0.82	64	11
7	5059	5060	19020.	22174.	0.86	64	11
7	5071	5072	50248.	60086.	0.84	25	11
7	5106	8379	26538.	23608.	1.12	45	31
7	5113	5114	43201.	34348.	1.26	24	31
7	5122	5123	19414.	12870.	1.51	37	31
7	5131	5132	56679.	51978.	1.09	24	41
7	5140	5141	47584.	34348.	1.39	24	41
7	5147	5148	17086.	12870.	1.33	37	31
7	5153	5154	49260.	50544.	0.97	25	41
7	5159	5160	37307.	33392.	1.12	25	41
7	5164	5166	44159.	50544.	0.87	25	31
7	5170	5171	35641.	27130.	1.31	36	41
7	5173	5180	16029.	16086.	1.00	33	41
7	5176	5177	34035.	33392.	1.02	25	31
7	7729	8503	2482.	18750.	0.13	98	31
7	8503	2462	2482.	18750.	0.13	98	31
7	TOTALS		1370385.	1304830.	1.05		

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
8	2146	2149	36191.	51978.	0.70	24	43
8	2171	2803	70056.	55989.	1.25	12	31
8	2213	2214	22096.	31413.	0.70	75	31
8	2236	2242	24011.	31413.	0.76	79	31
8	2252	2928	18738.	24914.	0.75	44	31
8	2269	2244	4768.	15707.	0.30	75	31
8	2270	2271	50023.	55989.	0.89	12	31
8	2280	2281	52283.	55989.	0.93	12	31
8	2438	2475	3096.	37500.	0.08	92	31
8	2477	6895	3608.	37500.	0.10	92	31
8	2509	2513	28020.	36218.	0.77	23	31
8	2558	2561	49517.	54326.	0.91	23	31
8	2565	2669	7461.	11522.	0.65	45	31
8	2660	2664	34499.	34348.	1.00	24	31
8	2804	2172	73925.	55989.	1.32	12	31
8	2807	3713	4370.	13740.	0.32	36	31
8	2811	2812	27872.	34348.	0.81	24	31
8	2819	2820	5680.	9218.	0.62	46	31
8	2824	2949	12377.	11522.	1.07	45	31
8	2831	3709	8828.	11522.	0.77	45	31
8	2832	2953	5206.	9218.	0.56	46	31
8	2844	2960	30383.	34348.	0.88	24	41
8	2850	4404	50237.	63566.	0.79	24	41
8	3706	3707	9464.	11522.	0.82	45	31
8	4911	4913	6722.	18750.	0.36	88	31
8	5365	5375	3757.	18750.	0.20	87	31
8	8261	8262	9041.	11522.	0.78	45	31
8	TOTALS		652230.	838821.	0.78		

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
9	2295	2290	20915.	55989.	0.37	92	31
9	3749	7534	18912.	16086.	1.18	41	41
9	3798	5974	34557.	34348.	1.01	24	41
9	4132	4136	39996.	37500.	1.07	12	31
9	4135	4133	39899.	37500.	1.06	12	31
9	4141	6087	34810.	37500.	0.93	12	31
9	4152	4153	31622.	31413.	1.01	75	31
9	4494	5972	21693.	55989.	0.39	92	31
9	5956	6038	11878.	20544.	0.58	36	51
9	5958	7370	2006.	32956.	0.06	41	31
9	5959	7223	9690.	24914.	0.39	44	31
9	5962	7330	22414.	34348.	0.65	24	31
9	5963	6050	4951.	24914.	0.20	44	31
9	5966	6054	27674.	34348.	0.81	24	31
9	5969	6063	25546.	34348.	0.74	24	31
9	6078	7373	34981.	34348.	1.02	24	31
9	6092	6093	30189.	34348.	0.88	24	31
9	6110	7950	38572.	50544.	0.76	25	41
9	6112	6116	22998.	16086.	1.43	33	31
9	6120	6121	28623.	17174.	1.67	32	32
9	6126	6178	21617.	17174.	1.26	32	32
9	7893	8328	7199.	60218.	0.12	31	51
9	8224	4149	61456.	55989.	1.10	12	31
9	TOTALS		592200.	798578.	0.74		

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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
10	2218	2912	32064.	36218.	0.89	23	31
10	2480	2293	16990.	55989.	0.30	92	31
10	2487	5198	12482.	11522.	1.08	45	31
10	2582	3857	67418.	51978.	1.30	24	31
10	2610	7400	7940.	11522.	0.69	45	31
10	2674	2676	67339.	51978.	1.30	24	31
10	2678	2679	43946.	34348.	1.28	24	41
10	2798	2804	60114.	55989.	1.07	12	41
10	2803	2797	56277.	55989.	1.01	12	41
10	2919	2921	4407.	11522.	0.38	45	31
10	2923	2927	8969.	9218.	0.97	46	31
10	3051	3054	14518.	27826.	0.52	64	31
10	3053	3050	14414.	27826.	0.52	64	31
10	3163	3167	40777.	32652.	1.25	33	31
10	3166	3168	32893.	51978.	0.63	24	31
10	3284	3286	38268.	33392.	1.15	25	31
10	3382	7397	31640.	25044.	1.26	38	31
10	3527	3531	21570.	25033.	0.86	38	41
10	3529	7406	12825.	11522.	1.11	45	41
10	3530	3526	13006.	22761.	0.57	64	31
10	3927	8426	47527.	55989.	0.85	12	31
10	3963	3989	67058.	55989.	1.20	12	41
10	3990	4989	71751.	55989.	1.28	12	41
10	4067	4070	20960.	38587.	0.54	11	41
10	4068	5833	24953.	38587.	0.65	11	41
10	4479	2479	14908.	55989.	0.27	92	31
10	4584	7403	24678.	32652.	0.76	33	31
10	4586	7401	39836.	34348.	1.16	24	41
10	4719	4722	4749.	15218.	0.31	34	41
10	4724	7840	17682.	32652.	0.54	33	41
10	4870	7841	16612.	23608.	0.70	45	41
10	4874	8063	19615.	34348.	0.57	24	41
10	4984	4991	13491.	11522.	1.17	45	31
10	4990	4996	2960.	11522.	0.26	45	41
10	5007	8065	3494.	15457.	0.23	63	31
10	5014	5006	1753.	15457.	0.11	63	11
10	5182	5183	28352.	32728.	0.87	33	41
10	5189	5201	11495.	22761.	0.51	64	31
10	5194	5204	983.	15022.	0.07	64	21
10	5200	5188	8630.	15022.	0.57	64	31
10	5203	5192	959.	15022.	0.06	64	21
10	5207	5196	1901.	15022.	0.13	64	21
10	5434	5439	13407.	22761.	0.59	64	41
10	5440	5437	12650.	22761.	0.56	64	31

10	5441	8020	16056.	22761.	0.71	64	41
10	5688	5689	33636.	34348.	0.98	24	31
10	5840	5844	14059.	16892.	0.83	24	31
10	5847	7377	25153.	34348.	0.73	24	31
10	8425	3925	71881.	55989.	1.28	12	31
10	TOTALS		1229047.	1497658.	0.82		

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TIME  20:02:09
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HIGHWAY EVALUATION -- YEAR/ALT (a99) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
11	3669	6237	13299.	21956.	0.61	35	51
11	3811	6320	3921.	9218.	0.43	46	31
11	3814	6324	12682.	16086.	0.79	33	32
11	4336	6313	51609.	50544.	1.02	25	41
11	6244	7341	37077.	51978.	0.71	24	41
11	6253	6301	23184.	34348.	0.67	24	31
11	6299	8192	65579.	55989.	1.17	92	31
11	6326	6358	25311.	17174.	1.47	32	31
11	6329	7981	1912.	9218.	0.21	46	32
11	7986	7989	9137.	9218.	0.99	46	41
11	7995	7996	17801.	13740.	1.30	36	31
11	8193	2284	67541.	55989.	1.21	92	31
11	TOTALS		329054.	345458.	0.95		
12	2001	5331	16396.	54326.	0.30	23	44
12	2006	2007	68600.	54326.	1.26	23	32
12	2043	4473	5008.	32652.	0.15	33	31
12	2072	2074	109321.	111978.	0.98	12	31
12	2108	3569	39205.	51978.	0.75	24	31
12	2148	8175	40793.	63566.	0.64	24	43
12	2156	8154	19078.	111978.	0.17	17	31
12	3213	3214	19154.	34348.	0.56	24	31
12	5848	5849	44525.	54326.	0.82	23	32
12	TOTALS		362079.	569478.	0.64		
13	2155	8461	11093.	37500.	0.30	92	32
13	2452	8460	12035.	37500.	0.32	92	32
13	3666	6371	11314.	17174.	0.66	32	32
13	6364	6366	1893.	12500.	0.15	43	51
13	6367	6368	7380.	12260.	0.60	43	31
13	6371	7998	12048.	20544.	0.59	36	51
13	6433	8377	9894.	13740.	0.72	36	31
13	6489	7491	5148.	12260.	0.42	43	32
13	6492	6546	32184.	34348.	0.94	24	42
13	6501	6503	27395.	34348.	0.80	24	31
13	6558	6559	1082.	15326.	0.07	42	31
13	6562	6563	1108.	9218.	0.12	46	32
13	6568	6611	2.	12500.	0.00	43	51
13	8460	2120	12035.	37500.	0.32	92	32
13	8461	2454	11093.	37500.	0.30	92	32

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13        TOTALS      155706.    344218.       0.45


99        TOTALS   155556240. 195675696.       0.79 SCREEN LINE 99
```

```
 ****  *****   ***   *****  *****   ****  *****  *****   ****   ****
*        *    *   *    *      *    *        *      *    *      *
 ***     *    *****    *      *     ***     *      *    *       ***
    *    *    *   *    *      *        *    *      *    *  *
****     *    *   *    *    *****  ****     *    *****   ****  ****
```

TOTAL NUMBER OF LINKS	7615
TOTAL SYSTEM MILES	1807.25
TOTAL LANE MILES	5366.62
TOTAL DIRECTIONAL MILES	3146.77
TOTAL VMT USING VOLUMES	39844436
TOTAL VMT USING CAPACITY	51844944
TOTAL VMT V/C	0.77
TOTAL VHT USING VOLUMES	1837038
TOTAL VHT USING CAPACITY	2068997
TOTAL VHT V/C	0.89
TOTAL VOLUMES ALL LINKS	166494464
AVERAGE TOTAL VOLUME	21864.01
TOTAL VMT ALL LINKS	39844436
TOTAL VHT ALL LINKS	1837038
TOTAL ORIGINAL SPEED (MPH)	31.99
TOTAL CONGESTED SPEED (MPH)	24.33
TOTAL ACCIDENTS	170.47
TOTAL INJURIES	109.68
TOTAL FATALITIES	0.62
TOTAL CO EMISSIONS (KILOGRAMS)	968127
TOTAL HC EMISSIONS (KILOGRAMS)	63999
TOTAL NO EMISSIONS (KILOGRAMS)	77378
TOTAL FUEL USE	2493465
TOTAL NEW LANE MILEAGE	1452
TOTAL CONSTRUCTION COST (X $1000)	0

TOTAL ACCIDENT COST (DOLLARS)	4343662
TOTAL USERS COST (DOLLARS)	16336224
TOTAL MAINTENANCE COST (DOLLARS)	724871
TOTAL DELAY DUE TO CONGESTION (VEH-HRS)	695178.81

Year 1999 MOBILE.99A

```
5          PROMPT - vertical flag input, no prompting (NLEV  2001)
MOBILE5a FDOT: MIAMI 1999 VALIDATION (Includes NLEV Starting in 2001)
1          TAMFLG - default tampering rates
1          SPDFLG - one speed per scenario
1          VMFLAG - default vmt mix
1          MYMRFG - default registration and mileage accrual rates
2          NEWFLG - alternate exhaust emission rates
1          IMFLAG - without I/M program
1          ALHFLG - no additional correction factor inputs
1          ATPFLG - without anti-tampering program
5          RLFLAG - no refueling losses, treated as stationary source
2          LOCFLG - read in local area parameters as one time
1          TEMFLG - calculate exhaust temperatures
4          OUTFMT - 80 column portrait output format
4          PRTFLG - print exhaust HC, CO and NOx emission factor results
2          IDLFLG - Calculate & print idle emissions results (when available)
3          NMHFLG - print VOCs
3          HCFLAG - print HC components
004
1 7 3 90 90 05.639 00.000
1 7 3 91 97 04.598 00.000
1 7 3 98 03 03.679 00.000
1 7 3 04 20 01.840 00.000
MTPM          FL C 69.3 91.2  9.2  7.8 92           LAP record
4 99  3.0 84.  20.6 27.3 20.6  7                    Scenario records
01 1 1
4 99  6.0 84.  20.6 27.3 20.6  7
01 1 1
4 99  9.0 84.  20.6 27.3 20.6  7
01 1 1
4 99 12.0 84.  20.6 27.3 20.6  7
01 1 1
4 99 15.0 84.  20.6 27.3 20.6  7
01 1 1
4 99 18.0 84.  20.6 27.3 20.6  7
01 1 1
4 99 21.0 84.  20.6 27.3 20.6  7
01 1 1
4 99 24.0 84.  20.6 27.3 20.6  7
01 1 1
4 99 27.0 84.  20.6 27.3 20.6  7
01 1 1
4 99 30.0 84.  20.6 27.3 20.6  7
01 1 1
4 99 33.0 84.  20.6 27.3 20.6  7
01 1 1
4 99 36.0 84.  20.6 27.3 20.6  7
01 1 1
4 99 39.0 84.  20.6 27.3 20.6  7
01 1 1
4 99 42.0 84.  20.6 27.3 20.6  7
01 1 1
4 99 45.0 84.  20.6 27.3 20.6  7
01 1 1
4 99 48.0 84.  20.6 27.3 20.6  7
01 1 1
4 99 51.0 84.  20.6 27.3 20.6  7
```

```
01 1 1
4 99 54.0 84.  20.6 27.3 20.6  7
01 1 1
4 99 57.0 84.  20.6 27.3 20.6  7
01 1 1
4 99 60.0 84.  20.6 27.3 20.6  7
01 1 1
4 99 63.0 84.  20.6 27.3 20.6  7
01 1 1
4 99 65.0 84.  20.6 27.3 20.6  7
01 1 1
```

Year 1999 MOBILEIM.99A

```
5          PROMPT - vertical flag input, no prompting (NLEV  2001)
MOBILE5a FDOT: MIAMI 1999 VALIDATION (Includes NLEV Starting in 2001)
1          TAMFLG - default tampering rates
1          SPDFLG - one speed per scenario
1          VMFLAG - default vmt mix
1          MYMRFG - default registration and mileage accrual rates
2          NEWFLG - alternate exhaust emission rates
2          IMFLAG - with I/M program
1          ALHFLG - no additional correction factor inputs
2          ATPFLG - with anti-tampering program
5          RLFLAG - no refueling losses, treated as stationary source
2          LOCFLG - read in local area parameters as one time
1          TEMFLG - calculate exhaust temperatures
4          OUTFMT - 80 column portrait output format
4          PRTFLG - print exhaust HC, CO and NOx emission factor results
2          IDLFLG - Calculate & print idle emissions results (when available)
3          NMHFLG - print VOCs
3          HCFLAG - print HC components
004
1 7 3 90 90 05.639 00.000
1 7 3 91 97 04.598 00.000
1 7 3 98 03 03.679 00.000
1 7 3 04 20 01.840 00.000
91 28 75 20 00 00 100 1 1 2221 1 11                I&M Program Parameter
91 75 20 2221 11 100. 12111112                     AT Program Parameters
MTPM          FL C 69.3 91.2  9.2  7.8 92          LAP record
4 99  3.0 84.  20.6 27.3 20.6  7                   Scenario records
01 1 1
4 99  6.0 84.  20.6 27.3 20.6  7
01 1 1
4 99  9.0 84.  20.6 27.3 20.6  7
01 1 1
4 99 12.0 84.  20.6 27.3 20.6  7
01 1 1
4 99 15.0 84.  20.6 27.3 20.6  7
01 1 1
4 99 18.0 84.  20.6 27.3 20.6  7
01 1 1
4 99 21.0 84.  20.6 27.3 20.6  7
01 1 1
4 99 24.0 84.  20.6 27.3 20.6  7
01 1 1
4 99 27.0 84.  20.6 27.3 20.6  7
01 1 1
4 99 30.0 84.  20.6 27.3 20.6  7
01 1 1
4 99 33.0 84.  20.6 27.3 20.6  7
01 1 1
4 99 36.0 84.  20.6 27.3 20.6  7
01 1 1
4 99 39.0 84.  20.6 27.3 20.6  7
01 1 1
4 99 42.0 84.  20.6 27.3 20.6  7
01 1 1
4 99 45.0 84.  20.6 27.3 20.6  7
01 1 1
4 99 48.0 84.  20.6 27.3 20.6  7
```

```
01 1 1
4 99 51.0 84.  20.6 27.3 20.6  7
01 1 1
4 99 54.0 84.  20.6 27.3 20.6  7
01 1 1
4 99 57.0 84.  20.6 27.3 20.6  7
01 1 1
4 99 60.0 84.  20.6 27.3 20.6  7
01 1 1
4 99 63.0 84.  20.6 27.3 20.6  7
01 1 1
4 99 65.0 84.  20.6 27.3 20.6  7
01 1 1
```

Year 1999 NLEVSTD.D

```
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  1994 LDGV
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    95
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    96
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    97
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    98
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    99
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  2000
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    01
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    02
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    03
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    04
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    05
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  1994 LDGT1
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    95
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    96
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    97
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    98
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    99
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  2000
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    01
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    02
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    03
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    04
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    05
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  1994 LDGT2
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    95
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    96
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    97
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    98
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    99
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  2000
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    01
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    02
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    03
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    04
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    05
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  1994 LDGT3
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    95
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    96
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    97
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1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    99
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  2000
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    01
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    02
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    03
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    04
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    05
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  1994 LDGT4
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    95
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    96
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    97
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    98
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    99
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  2000
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    01
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    02
```

```
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    03
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    04
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    05
```

Year 1999 PROFILE.MAS

```
&TWODIGIT
YES
&VFACTORS
YES
&NAME                 NAME OF STUDY
Miami
&MOBILE               DIRECTORY WHERE MOBILE PARAMETER FILES ARE STORED
c:\fsutms.v54\
&IMFAC                INSPECTION/MAINTENANCE CREDIT PERCENTAGE FOR EMIS
0.80000
&EMISFAC              FACTOR TO ADJUST MODEL VMT TO MATCH HPMS TARGET VALUE
0.95570
&FSUTMS               DIRECTORY WHERE SCRIPT FILES ARE LOCATED
..\SCRIPT
&AVEZONE              NUMBER OF ZONES TO AVERAGE TO COMPUTE IZ DISTANCE
1
&TRANZONE             TRANSIT ACCESS ANALYSIS ZONE
642
&ZONESI               INTERNAL ZONES
1500
&ZONESX              FIRST EXTERNAL ZONE
1501
&ZONESA               TOTAL ZONES
1521
&VALIDATE
NO
&ANALYSIS
YES
&GLSELECT
0
&GLTITLE
Miami-dade
&SZONE                STARTING ZONE FOR CARDINAL DISTRIBUTION
1
&FZONE                ENDING ZONE FOR CARDINAL DISTRIBUTION
1500
&DISTRICT             NUMBER OF PLANNING DISTRICS
96
&SUPERDIST            NUMBER OF SUPER DISTRICTS
26
&CBDZONE              THE CBD ZONES
642
&SELDEST              SELECTED DESTINATION ZONES
1-1500
&TERM10               TERMINAL TIME FOR AREA TYPE
5
&TERM11               TERMINAL TIME FOR AREA TYPE
5
&TERM12               TERMINAL TIME FOR AREA TYPE
5
&TERM13               TERMINAL TIME FOR AREA TYPE
3
&TERM14               TERMINAL TIME FOR AREA TYPE
5
&TERM15               TERMINAL TIME FOR AREA TYPE
5
&TERM16               TERMINAL TIME FOR AREA TYPE
```

```
5
&TERM17              TERMINAL TIME FOR AREA TYPE
5
&TERM18              TERMINAL TIME FOR AREA TYPE
5
&TERM19              TERMINAL TIME FOR AREA TYPE
5
&TERM20              TERMINAL TIME FOR AREA TYPE
3
&TERM21              TERMINAL TIME FOR AREA TYPE
4
&TERM22              TERMINAL TIME FOR AREA TYPE
3
&TERM23              TERMINAL TIME FOR AREA TYPE
3
&TERM24              TERMINAL TIME FOR AREA TYPE
3
&TERM25              TERMINAL TIME FOR AREA TYPE
3
&TERM26              TERMINAL TIME FOR AREA TYPE
3
&TERM27              TERMINAL TIME FOR AREA TYPE
3
&TERM28              TERMINAL TIME FOR AREA TYPE
3
&TERM29              TERMINAL TIME FOR AREA TYPE
3
&TERM30              TERMINAL TIME FOR AREA TYPE
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3
&TERM32              TERMINAL TIME FOR AREA TYPE
1
&TERM33              TERMINAL TIME FOR AREA TYPE
1
&TERM34              TERMINAL TIME FOR AREA TYPE
1
&TERM35              TERMINAL TIME FOR AREA TYPE
1
&TERM36              TERMINAL TIME FOR AREA TYPE
1
&TERM37              TERMINAL TIME FOR AREA TYPE
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1
&TERM40              TERMINAL TIME FOR AREA TYPE
2
&TERM41              TERMINAL TIME FOR AREA TYPE
2
&TERM42              TERMINAL TIME FOR AREA TYPE
3
&TERM43              TERMINAL TIME FOR AREA TYPE
2
&TERM44              TERMINAL TIME FOR AREA TYPE
2
```

```
&TERM45              TERMINAL TIME FOR AREA TYPE
2
&TERM46              TERMINAL TIME FOR AREA TYPE
2
&TERM47              TERMINAL TIME FOR AREA TYPE
2
&TERM48              TERMINAL TIME FOR AREA TYPE
2
&TERM49              TERMINAL TIME FOR AREA TYPE
2
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1
&TERM52              TERMINAL TIME FOR AREA TYPE
1
&TERM53              TERMINAL TIME FOR AREA TYPE
1
&TERM54              TERMINAL TIME FOR AREA TYPE
1
&TERM55              TERMINAL TIME FOR AREA TYPE
1
&TERM56              TERMINAL TIME FOR AREA TYPE
1
&TERM57              TERMINAL TIME FOR AREA TYPE
1
&TERM58              TERMINAL TIME FOR AREA TYPE
1
&TERM59              TERMINAL TIME FOR AREA TYPE
1
&NODES               MAXIMUM NUMBER OF NODES IN HWY NET
9999
&UNITS               UNITS PER MILE
5280
&CONFAC              FOR CAPACITY CONSTRAINT
0.10
&CAPFAC              FOR PLOTTING LOS E
0.10
&ITER                MAXIMUM EQUILIBRIUM ITERATIONS
25
&UROADF              UROAD CAPACITY FACTOR
0.75
&DAMPING             DAMPING FACTOR USED TO MINIMIZE TIME MODULATIONS BETWEEN
ITERATION
0.5
&BPRMAX
4.0
&EPS
0.10
&CTOLL               COEFFICIENT OF TOLL FACTOR USED IN TOLL MODEL
0.08
&TOLLS1              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.10
&TOLLS2              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.15
```

```
&TOLLS3              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.20
&TOLLS4              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.25
&TOLLS5              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.30
&TOLLS6              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.35
&TOLLS7              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
1.00
&TOLLS8              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.001
&TOLLS9              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS10             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS11             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS12             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS13             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS14             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS15             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS16             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS17             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS18             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS19             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS20             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT1              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.10
```

```
&SERVT2              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.15
&SERVT3              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.20
&SERVT4              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.25
&SERVT5              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.30
&SERVT6              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.35
&SERVT7              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
1.00
&SERVT8              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.001
&SERVT9              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT10             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT11             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT12             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT13             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT14             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT15             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT16             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT17             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT18             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT19             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT20             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
```

```
&MAXTIM
70
&ATITER                 NUMBER OF GMODEL ITERATIONS
7
&AOFAC1                 AUTO OCC FOR HBW
0.7936
&AOFAC2                 AUTO OCC FOR HBSH
0.5747
&AOFAC3                 AUTO OCC FOR HBSR
0.5747
&AOFAC4                 AUTO OCC FOR HBO
0.5747
&AOFAC5                 AUTO OCC FOR NHB
0.5917
&UNCONNECT              MAXIMUM TRANSIT TIME
255
&NUMFARE                MAXIMUM NUMBER OF FARE CATEGORES
8
&HOV                    SWITCH FOR HOV TYPE
TYPE1
&HOV1
HOV LINKS, LINK GROUP 2 = 80-89
&HOV2                   IDENTIFIES WHICH HTTAB TRIPS SHOULD BE ASSIGNED
SELECTED PURPOSES = 1-2
&HOV3                   FOR PLOTTING AND REPORTING, ADD LOV AND HOV TRIPS TOGETHER
ADD PURPOSES = 1-2
&PERIOD
24
&PLOTTER
HP7586
&PLOTPENS
8
&PLOTSIZE
30
&PAPER
NORMALD
&PLOTFAC
600
&DATA
DATA
&PLOTWIN
PLOTXY.STD
&PLOTWINA
PLOTXYA.STD
&PLOTWINB
PLOTXYB.STD
&PLOTWINC
PLOTXYC.STD
&PLOTWIND
PLOTXYD.STD
&PLOTWINE
PLOTXYE.STD
&PLOTWINF
PLOTXYF.STD
&PLOTWING
PLOTXYG.STD
&PLOTWINH
```

```
PLOTXYH.STD
&CHARHT
0.05
&NAMEB
SOUTH DADE (B)
&NAMEM
MIC/INTERCON (M)
&NAMEP
NORTH/BEACH CORR  (P)
&NAMEQ
EAST/WEST CORRIDOR(Q)
&NAMER
DOWNTOWN MIAMI    (R)
&NAMES
KENDALL/SOUTH CORR(S)
&NAMET
WEST CENTRAL AREA (T)
&NAMEU
NW/PALMETTO CORR  (U)
&NAMEV
I95/NORTH CORRIDOR(V)
&NAMEZ
SUNPIKE/27TH AVE  (Z)
&NAME1
SW (1)
&NAME2
NW (2)
&NAME3
NE (3)
&NAME4
SE (4)
&MAXUTIL
0.75
&QUEMAX
100
&QUELIM
4.9
&NUMFARE
9
&TOLLFM
TOLL FACILITIES MODEL
&MULTSQ
MULTIPLE SERVER QUEUES
&ACCUQT              FLAG FOR USING TOLL FACILTIES MODEL
~ ACCUMULATE QUEUEING TIME
&GMTIME
TIME2
&CITYCODE
MIA
&TITLE
1999 MTPM
&MAXD                Maximum sidewalk area around stations
0.4
&TERM                Auto access terminal time (home end)
2.0
&DEF                 Default auto access time
2.0
```

```
&NOPT                 Usage check on second auto connector
1
&BACK                 Backtrack flag for auto connector
1
&AOC                  Auto operating costs
9.5
&OC3                  Average 3+ auto occupancy
3.20  3.20  3.20  3.20  3.20
&OCTA                 Average park/ride auto occupancy
1.2  1.2  1.2
&TASPD                Average auto access speed
26.0  26.0
&MINRUN1              Minimum walk-to-local run time
3.0
&MINRUN2              Minimum walk-to-premium run time
3.0
&MINRUN3              Minimum auto-to-local run time
30.0
&MINRUN4              Minimum auto-to-premium run time
6.0
&INFL1                Transit fare inflation
1.0
&INFL2                Auto operating cost inflation
1.0
&INFL3                Parking cost inflation
1.0
&MSMIN                Minimum mode split
0.01  0.01  0.01
&HOVUSE               HOV usage flag
2
&HOVMIN               HOV minimum time
3.0
&RAILAC               Station walk access impedance flag
0
&VAL                  Validation summary flag
0
&KRFAC                Kiss/ride additional impedance factor
1.50
&JITNEY               Jitney flag (0=none, 1=base, 2=alt)
1
&VERS                 Model Version (1=standard FSUTMS, 2=Orlando 10 purposes)
1
&DEFMS                Default Regional Mode Splits
0.07770  0.02970  0.02970
&DEFUPD               Update Zonal Default Mode Splits (1=yes, 2=no)
1
&MAXTIM
70
&TRIZONE              TRI RAIL EXTERNAL ZONE
1467
&MAXTIME
120
&ROTANG
270
&PORTRAIT
0
&LANDSCAPE
```

```
0
&ROTANGW

&PLT
plt
&ASCII
YES
&DATABASE             Optional entry to enable database capability
NO
&DBCOUT               When activated, writes database files for TASSIGN
 DBC OUTPUT, INET
&MINUROADFAC          Specifies minimum UROAD factor allowed   (Optional)
0.50
&MAXUROADFAC          Specifies maximum UROAD factor allowed
1.00
&MINCONFAC            Specifies minimum CONFAC factor allowed
0.04
&MAXCONFAC            Specifies maximum CONFAC factor allowed
1.00
&MINBPRCOEFF          Specifies minimum BPR coefficient allowed
0.0
&MAXBPRCOEFF          Specifies maximum BPR coefficient allowed
1.00
&MINBPREXP            Specifies minimum BPR exponent allowed
1.00
&MAXBPREXP            Specifies maximum BPR exponent allowed
10.00
&EMISTABLES           Tables on HTTAB file for intrazonal emissions (default =
1)
1
&ASCII                Outputs file HRLDXY.ASC (similar to NETCARD output)
YES
&VFACTORS             Required entry.  YES must start in column one
YES
&DATABASE             Optional entry to enable database capability
NO
&DBCOUT               When activated, writes database files for TASSIGN
~ DBC OUTPUT, INET
&MINUROADFAC          Specifies minimum UROAD factor allowed   (Optional)
0.50
&MAXUROADFAC          Specifies maximum UROAD factor allowed
1.00
&MINCONFAC            Specifies minimum CONFAC factor allowed
0.04
&MAXCONFAC            Specifies maximum CONFAC factor allowed
1.00
&MINBPRCOEFF          Specifies minimum BPR coefficient allowed
0.0
&MAXBPRCOEFF          Specifies maximum BPR coefficient allowed
1.00
&MINBPREXP            Specifies minimum BPR exponent allowed
1.00
&MAXBPREXP            Specifies maximum BPR exponent allowed
10.00
&EMISTABLES           Tables on HTTAB file for intrazonal emissions (default =
1)
1
```

```
&ASCII                 Outputs file HRLDXY.ASC (similar to NETCARD output)
YES
&MODELCAP
~ MODEL CAPACITY
&COLORS
1,2,3,4,5,6,7,8
&ACTC                REPORT TRANSIT TRIPS=0 for CENTERS, 1 FOR TAZs
1
&KTHROW              ACTIVITY CENTER TEMP FILES, 1=KEEP, 0=DELETE
1
&STDZ2               STANDARD FSUTMSZ2, 1=TRUE, 0=RTA
1
&SELZONE             SELECTED TAZ
1506
&DTBZERO
7000
```

Appendix F

Year 2005 EMIS.OUT and Supporting FSUTMS Reports/Files

Year 2005 Emissions Results

YEAR 2005 EMIS.OUT

```
1MOBILE5a FDOT: MIAMI 2005 WITH FSUTMS.V54 (Includes NLEV Starting in 2001)
 MOBILE5a (26-Mar-93)
0
-M153 Error:
 Warning: Refueling emissions in grams-per-gallon are only available using the
120 column descriptive output option (OUTFMT = 3 or 5). See MOBILE5 Users
 Guide chapters 2.1.15, 2.1.19 and 2.1.20 for more information.
0              Emission Factor Modification Profile
+              ____________________________________
0Equation  Reg  Veh  Pol  First MY  Last MY    Base     DR           Altered
+________  ___  ___  ___  ________  _______    ____    ____          _______
     1      1    7    3     1990     1990     11.65     .00            Yes
     2      1    7    3     1991     1997      9.37     .00            Yes
     3      1    7    3     1998     2003      7.49     .00            Yes
     4      1    7    3     2004     2020      3.75     .00            Yes
0MIAMI         FL
                     Minimum Temp: 69. (F)   Maximum Temp: 91. (F)
                     Period 1 RVP:  9.2      Period 2 RVP:  7.8 Period 2 Yr:
1992
0VOC HC emission factors include evaporative HC emission factors.
0_____________________________________________________________________________
_
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2005           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.:  3.0    3.0    3.0           3.0    3.0    3.0    3.0    3.0
   VMT Mix:   .600   .197   .087          .031   .002   .002   .075   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  9.10  10.54  15.22  11.98  16.74   1.09   1.49   4.47  11.68   9.79
 Exhst  HC:  5.12   6.40   9.54   7.36   8.10   1.09   1.49   4.47   8.64   5.81
 Evap.  HC:   .17    .20    .21    .20   1.25                         2.63    .21
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:  3.77   3.91   5.43   4.37   7.32                                3.73
 Rsting HC:   .04    .04    .04    .04    .07                           .41    .04
 Exhst  CO: 70.17  77.30 112.83  88.19 113.21   4.38   4.86  34.49 155.56  74.17
 Exhst NOX:  1.76   2.08   3.01   2.37   3.80   1.90   2.13  14.06    .85   2.92

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2005           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
```

```
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.:  6.0    6.0    6.0           6.0    6.0    6.0    6.0    6.0
   VMT Mix:   .600   .197   .087          .031   .002   .002   .075   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  4.15   4.84   6.98   5.50   9.48    .93   1.28   3.84   8.17   4.69
 Exhst  HC:  2.88   3.54   5.27   4.07   6.20    .93   1.28   3.84   5.13   3.40
 Evap.  HC:   .17    .20    .21    .20   1.25                         2.63    .21
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:  1.07   1.07   1.46   1.19   1.96                                1.04
 Rsting HC:   .04    .04    .04    .04    .07                          .41    .04
 Exhst  CO: 39.70  44.04  63.95  50.15  86.91   3.45   3.83  27.14  84.55  43.31
 Exhst NOX:  1.46   1.73   2.49   1.96   3.92   1.68   1.88  12.41    .75   2.50

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2005           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.:  9.0    9.0    9.0           9.0    9.0    9.0    9.0    9.0
   VMT Mix:   .600   .197   .087          .031   .002   .002   .075   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  2.98   3.46   4.96   3.92   7.28    .81   1.10   3.32   6.60   3.42
 Exhst  HC:  2.13   2.59   3.85   2.97   4.81    .81   1.10   3.32   3.56   2.54
 Evap.  HC:   .17    .20    .21    .20   1.25                         2.63    .21
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .65    .63    .86    .70   1.16                                .62
 Rsting HC:   .04    .04    .04    .04    .07                          .41    .04
 Exhst  CO: 29.54  32.96  47.66  37.46  68.06   2.76   3.06  21.72  54.67  32.45
 Exhst NOX:  1.36   1.61   2.32   1.82   4.04   1.50   1.68  11.10    .71   2.31

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2005           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 12.0   12.0   12.0          12.0   12.0   12.0   12.0   12.0
```

```
   VMT Mix:   .600   .197   .087          .031   .002   .002   .075   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  2.45   2.83   4.04   3.20   5.98    .70    .96   2.89   5.80   2.82
 Exhst  HC:  1.75   2.11   3.14   2.42   3.79    .70    .96   2.89   2.76   2.10
 Evap.  HC:   .17    .20    .21    .20   1.25                         2.63    .21
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .50    .48    .65    .53    .88                                 .48
 Rsting HC:   .04    .04    .04    .04    .07                           .41    .04
 Exhst  CO: 24.46  27.41  39.52  31.12  54.36   2.25   2.49  17.66  39.92  26.78
 Exhst NOX:  1.31   1.55   2.23   1.76   4.16   1.36   1.52  10.05    .70   2.18

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2005           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 15.0   15.0   15.0          15.0   15.0   15.0   15.0   15.0
   VMT Mix:   .600   .197   .087          .031   .002   .002   .075   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  2.12   2.44   3.47   2.75   5.04    .62    .84   2.54   5.34   2.44
 Exhst  HC:  1.53   1.82   2.71   2.10   3.03    .62    .84   2.54   2.30   1.81
 Evap.  HC:   .17    .20    .21    .20   1.25                         2.63    .21
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .39    .38    .51    .42    .70                                 .38
 Rsting HC:   .04    .04    .04    .04    .07                           .41    .04
 Exhst  CO: 21.42  24.09  34.63  27.32  44.29   1.86   2.06  14.60  31.62  23.28
 Exhst NOX:  1.28   1.51   2.18   1.72   4.28   1.24   1.40   9.21    .72   2.09

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2005           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 18.0   18.0   18.0          18.0   18.0   18.0   18.0   18.0
   VMT Mix:   .600   .197   .087          .031   .002   .002   .075   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.89   2.17   3.08   2.45   4.34    .55    .75   2.25   5.05   2.17
 Exhst  HC:  1.38   1.63   2.43   1.88   2.46    .55    .75   2.25   2.01   1.62
```

```
 Evap.  HC:   .17    .20    .21    .20   1.25                        2.63    .21
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .31    .30    .41    .33    .56                                .30
 Rsting HC:   .04    .04    .04    .04    .07                          .41    .04
 Exhst  CO: 19.38  21.87  31.37  24.78  36.81   1.56   1.73  12.27  26.36  20.90
 Exhst NOX:  1.26   1.49   2.14   1.69   4.39   1.16   1.30   8.56    .76   2.03

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2005           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 21.0   21.0   21.0          21.0   21.0   21.0   21.0   21.0
   VMT Mix:   .600   .197   .087          .031   .002   .002   .075   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.69   1.94   2.76   2.19   3.81    .49    .67   2.01   4.84   1.94
 Exhst  HC:  1.23   1.46   2.17   1.68   2.02    .49    .67   2.01   1.81   1.44
 Evap.  HC:   .17    .20    .21    .20   1.25                        2.63    .21
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .26    .24    .34    .27    .47                                .25
 Rsting HC:   .04    .04    .04    .04    .07                          .41    .04
 Exhst  CO: 17.08  19.48  27.94  22.07  31.20   1.33   1.48  10.48  22.64  18.41
 Exhst NOX:  1.26   1.48   2.13   1.68   4.51   1.09   1.22   8.05    .80   1.99

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2005           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 24.0   24.0   24.0          24.0   24.0   24.0   24.0   24.0
   VMT Mix:   .600   .197   .087          .031   .002   .002   .075   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.51   1.76   2.49   1.98   3.42    .44    .60   1.81   4.69   1.74
 Exhst  HC:  1.08   1.31   1.94   1.50   1.69    .44    .60   1.81   1.65   1.28
 Evap.  HC:   .17    .20    .21    .20   1.25                        2.63    .21
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .23    .21    .30    .24    .41                                .22
 Rsting HC:   .04    .04    .04    .04    .07                          .41    .04
 Exhst  CO: 14.60  16.89  24.29  19.16  26.97   1.16   1.28   9.10  19.78  15.84
```

```
 Exhst NOX:  1.28   1.48   2.14   1.68   4.63   1.04   1.16   7.68    .85   1.98

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2005           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 27.0   27.0   27.0          27.0   27.0   27.0   27.0   27.0
   VMT Mix:   .600   .197   .087          .031   .002   .002   .075   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.38   1.62   2.28   1.82   3.12    .40    .55   1.64   4.55   1.59
 Exhst  HC:   .97   1.19   1.77   1.37   1.44    .40    .55   1.64   1.52   1.15
 Evap.  HC:   .17    .20    .21    .20   1.25                         2.63    .21
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .20    .19    .26    .21    .37                                 .19
 Rsting HC:   .04    .04    .04    .04    .07                           .41    .04
 Exhst  CO: 12.67  14.88  21.45  16.90  23.79   1.02   1.13   8.03  17.43  13.85
 Exhst NOX:  1.30   1.49   2.15   1.69   4.75   1.00   1.12   7.41    .90   1.98

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2005           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 30.0   30.0   30.0          30.0   30.0   30.0   30.0   30.0
   VMT Mix:   .600   .197   .087          .031   .002   .002   .075   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.27   1.50   2.11   1.69   2.89    .36    .50   1.50   4.44   1.47
 Exhst  HC:   .88   1.09   1.63   1.26   1.24    .36    .50   1.50   1.40   1.05
 Evap.  HC:   .17    .20    .21    .20   1.25                         2.63    .21
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .18    .17    .24    .19    .33                                 .17
 Rsting HC:   .04    .04    .04    .04    .07                           .41    .04
 Exhst  CO: 11.13  13.28  19.18  15.09  21.40    .92   1.02   7.21  15.47  12.26
 Exhst NOX:  1.31   1.49   2.16   1.70   4.87    .98   1.10   7.24    .94   1.98

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
```

```
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2005           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 33.0   33.0   33.0          33.0   33.0   33.0   33.0   33.0
   VMT Mix:   .600   .197   .087          .031   .002   .002   .075   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.17   1.41   1.98   1.58   2.70    .34    .46   1.38   4.34   1.37
 Exhst  HC:   .81   1.01   1.51   1.17   1.08    .34    .46   1.38   1.30    .96
 Evap.  HC:   .17    .20    .21    .20   1.25                         2.63    .21
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .16    .16    .21    .17    .30                                 .15
 Rsting HC:   .04    .04    .04    .04    .07                           .41    .04
 Exhst  CO:  9.87  11.96  17.32  13.61  19.63    .84    .93   6.58  13.82  10.97
 Exhst NOX:  1.32   1.50   2.16   1.70   4.98    .97   1.09   7.17    .98   1.98

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2005           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 36.0   36.0   36.0          36.0   36.0   36.0   36.0   36.0
   VMT Mix:   .600   .197   .087          .031   .002   .002   .075   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.10   1.33   1.86   1.49   2.55    .31    .43   1.28   4.26   1.28
 Exhst  HC:   .75    .95   1.41   1.09    .96    .31    .43   1.28   1.22    .89
 Evap.  HC:   .17    .20    .21    .20   1.25                         2.63    .21
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .14    .14    .20    .16    .27                                 .14
 Rsting HC:   .04    .04    .04    .04    .07                           .41    .04
 Exhst  CO:  8.81  10.87  15.77  12.37  18.37    .78    .86   6.10  12.46   9.91
 Exhst NOX:  1.33   1.50   2.17   1.71   5.10    .97   1.09   7.19   1.01   1.99

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2005           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
```

```
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 39.0   39.0   39.0          39.0   39.0   39.0   39.0   39.0
   VMT Mix:   .600   .197   .087          .031   .002   .002   .075   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.03   1.26   1.76   1.41   2.43    .29    .40   1.20   4.19   1.21
 Exhst  HC:   .70    .89   1.33   1.03    .87    .29    .40   1.20   1.16    .84
 Evap.  HC:   .17    .20    .21    .20   1.25                         2.63    .21
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .13    .13    .18    .14    .25                                 .13
 Rsting HC:   .04    .04    .04    .04    .07                           .41    .04
 Exhst  CO:  7.92   9.94  14.46  11.33  17.54    .73    .81   5.75  11.39   9.02
 Exhst NOX:  1.34   1.50   2.17   1.71   5.22    .99   1.11   7.31   1.03   2.01

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2005           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                 Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 42.0   42.0   42.0          42.0   42.0   42.0   42.0   42.0
   VMT Mix:   .600   .197   .087          .031   .002   .002   .075   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .97   1.20   1.68   1.35   2.33    .28    .38   1.13   4.14   1.15
 Exhst  HC:   .65    .85   1.26    .97    .79    .28    .38   1.13   1.11    .79
 Evap.  HC:   .17    .20    .21    .20   1.25                         2.63    .21
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .12    .12    .16    .13    .22                                 .11
 Rsting HC:   .04    .04    .04    .04    .07                           .41    .04
 Exhst  CO:  7.16   9.15  13.34  10.43  17.08    .70    .78   5.50  10.57   8.27
 Exhst NOX:  1.34   1.51   2.18   1.71   5.34   1.02   1.14   7.52   1.05   2.04

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2005           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                 Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
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```
 Veh. Spd.: 45.0   45.0   45.0          45.0   45.0   45.0   45.0   45.0
   VMT Mix:   .600   .197   .087          .031   .002   .002   .075   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .92   1.15   1.60   1.29   2.26    .26    .36   1.08   4.11   1.10
 Exhst  HC:   .61    .81   1.20    .93    .73    .26    .36   1.08   1.07    .74
 Evap.  HC:   .17    .20    .21    .20   1.25                         2.63    .21
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .10    .11    .15    .12    .20                                 .10
 Rsting HC:   .04    .04    .04    .04    .07                           .41    .04
 Exhst  CO:  6.50   8.46  12.36   9.66  16.96    .68    .76   5.36   9.96   7.63
 Exhst NOX:  1.35   1.51   2.18   1.71   5.46   1.06   1.19   7.84   1.07   2.07

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2005          Region: Low          Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 48.0   48.0   48.0          48.0   48.0   48.0   48.0   48.0
   VMT Mix:   .600   .197   .087          .031   .002   .002   .075   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .88   1.11   1.54   1.24   2.20    .25    .34   1.03   4.09   1.05
 Exhst  HC:   .58    .77   1.15    .89    .69    .25    .34   1.03   1.05    .71
 Evap.  HC:   .17    .20    .21    .20   1.25                         2.63    .21
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .09    .10    .14    .11    .19                                 .09
 Rsting HC:   .04    .04    .04    .04    .07                           .41    .04
 Exhst  CO:  5.92   7.86  11.51   8.98  17.18    .67    .75   5.31   9.50   7.09
 Exhst NOX:  1.35   1.51   2.18   1.72   5.57   1.12   1.25   8.27   1.09   2.11

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2005          Region: Low          Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 51.0   51.0   51.0          51.0   51.0   51.0   51.0   51.0
   VMT Mix:   .600   .197   .087          .031   .002   .002   .075   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .87   1.09   1.52   1.23   2.14    .24    .33   1.00   4.09   1.03
```

```
 Exhst  HC:   .58    .77   1.15    .89    .66    .24    .33   1.00   1.05    .70
 Evap.  HC:   .17    .20    .21    .20   1.25                         2.63    .21
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .08    .09    .12    .10    .16                                 .08
 Rsting HC:   .04    .04    .04    .04    .07                           .41    .04
 Exhst  CO:  5.92   7.86  11.51   8.98  17.75    .68    .75   5.34   9.50   7.11
 Exhst NOX:  1.47   1.68   2.43   1.91   5.69   1.19   1.34   8.84   1.20   2.28

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2005           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 54.0   54.0   54.0          54.0   54.0   54.0   54.0   54.0
   VMT Mix:   .600   .197   .087          .031   .002   .002   .075   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .86   1.09   1.51   1.22   2.11    .24    .32    .97   4.09   1.02
 Exhst  HC:   .58    .77   1.15    .89    .64    .24    .32    .97   1.05    .70
 Evap.  HC:   .17    .20    .21    .20   1.25                         2.63    .21
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .07    .08    .11    .09    .15                                 .07
 Rsting HC:   .04    .04    .04    .04    .07                           .41    .04
 Exhst  CO:  5.92   7.86  11.51   8.98  18.71    .69    .77   5.46   9.50   7.15
 Exhst NOX:  1.60   1.85   2.68   2.11   5.81   1.29   1.45   9.58   1.30   2.47

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2005           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 57.0   57.0   57.0          57.0   57.0   57.0   57.0   57.0
   VMT Mix:   .600   .197   .087          .031   .002   .002   .075   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .89   1.13   1.57   1.26   2.08    .23    .32    .95   4.24   1.06
 Exhst  HC:   .62    .82   1.22    .94    .63    .23    .32    .95   1.20    .74
 Evap.  HC:   .17    .20    .21    .20   1.25                         2.63    .21
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .07    .07    .10    .08    .13                                 .07
 Rsting HC:   .04    .04    .04    .04    .07                           .41    .04
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 Exhst  CO:  7.09   9.40  13.88  10.77  20.11    .72    .80   5.68  14.07   8.45
 Exhst NOX:  1.72   2.03   2.93   2.30   5.93   1.42   1.59  10.51   1.41   2.68

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2005           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 60.0   60.0   60.0          60.0   60.0   60.0   60.0   60.0
   VMT Mix:   .600   .197   .087          .031   .002   .002   .075   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .95   1.19   1.68   1.34   2.07    .23    .31    .94   4.47   1.11
 Exhst  HC:   .69    .89   1.34   1.03    .63    .23    .31    .94   1.43    .80
 Evap.  HC:   .17    .20    .21    .20   1.25                        2.63    .21
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .06    .06    .09    .07    .12                                .06
 Rsting HC:   .04    .04    .04    .04    .07                         .41    .04
 Exhst  CO:  8.85  11.71  17.43  13.46  22.05    .76    .85   6.00  20.93  10.39
 Exhst NOX:  1.84   2.20   3.18   2.50   6.05   1.58   1.77  11.67   1.52   2.90

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2005           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 63.0   63.0   63.0          63.0   63.0   63.0   63.0   63.0
   VMT Mix:   .600   .197   .087          .031   .002   .002   .075   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.01   1.26   1.78   1.42   2.07    .23    .31    .94   4.69   1.17
 Exhst  HC:   .75    .96   1.45   1.11    .64    .23    .31    .94   1.66    .87
 Evap.  HC:   .17    .20    .21    .20   1.25                        2.63    .21
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .05    .06    .08    .07    .11                                .06
 Rsting HC:   .04    .04    .04    .04    .07                         .41    .04
 Exhst  CO: 10.60  14.03  20.97  16.16  24.66    .82    .91   6.45  27.79  12.36
 Exhst NOX:  1.96   2.37   3.43   2.69   6.17   1.77   1.99  13.13   1.62   3.14

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
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```
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2005           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 65.0   65.0   65.0          65.0   65.0   65.0   65.0   65.0
   VMT Mix:   .600   .197   .087          .031   .002   .002   .075   .006
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.05   1.31   1.85   1.47   2.08    .23    .31    .94   4.84   1.21
 Exhst  HC:   .80   1.01   1.52   1.17    .66    .23    .31    .94   1.81    .91
 Evap.  HC:   .17    .20    .21    .20   1.25                        2.63    .21
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .05    .06    .08    .06    .10                                .05
 Rsting HC:   .04    .04    .04    .04    .07                          .41    .04
 Exhst  CO: 11.77  15.57  23.34  17.95  26.86    .87    .96   6.83  32.36  13.70
 Exhst NOX:  2.04   2.48   3.59   2.82   6.24   1.93   2.17  14.31   1.69   3.32
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 FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 08:59:33  28OCT01

 INPUT CARD ECHO

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

SCENARIO  1        MOBILE.TEM
THE FOLLOWING IS A MATRIX WHICH ASSIGNS A SCENARIO TO EACH FT/AT COMBINATION
AT=>     1     2     3     4     5
_____________________________________
FT |
 1 |     1     1     1     1     1
 2 |     1     1     1     1     1
 3 |     1     1     1     1     1
 4 |     1     1     1     1     1
 5 |     1     1     1     1     1
 6 |     1     1     1     1     1
 7 |     1     1     1     1     1
 8 |     1     1     1     1     1
 9 |     1     1     1     1     1

INPUT COORDINATE SCALE(UNITS) FROM PROFILE.MAS IS   5280
 ***INFO*** ALL REPORT VALUES ARE BEING ADJUSTED BY A FACTOR 0F 0.9557
```

FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
- RUN TIME: 08:59:34 28OCT01

EMISSIONS IN GRAMS PER DAY

INFO all reported values have been adjusted by EMISFAC = 0.9557

- -

GEOGRAPHIC LOCATION NO 1

INFO all reported values have been adjusted by EMISFAC = 0.9557

FT	AT	TOTAL VOC	EXHAUST HC	EVAPORATE HC	REFUELING HC	RUN LOSS HC	EXHAUST CO	EXHAUST NOx
1	1	441340.	307911.	71948.	0.	48206.	3424228.	683300.
1	2	110347.	77569.	17665.	0.	12264.	868062.	168653.
1	3	7103972.	5016461.	1067951.	0.	807383.	57396276.	10295320.
1	4	5809028.	4134282.	841853.	0.	672075.	48060532.	8066981.
1	5	193769.	131560.	38888.	0.	15656.	1330579.	412426.
2	1	441173.	327645.	37002.	0.	69920.	4187749.	371681.
2	2	18165.	13136.	2372.	0.	2192.	158967.	22423.
2	3	15501506.	11282274.	1792836.	0.	2091379.	138874464.	17167240.
2	4	16890488.	12398831.	1696560.	0.	2484199.	155598528.	16538608.
2	5	460982.	316497.	88621.	0.	38864.	3305234.	951922.
3	1	296528.	217345.	25873.	0.	48511.	2786177.	255314.
3	2	4175.	3083.	481.	0.	532.	38731.	4541.
3	3	4616248.	3383772.	514093.	0.	625695.	42119764.	4926297.
3	4	2796193.	2029047.	261178.	0.	459621.	25531012.	2565992.
3	5	467857.	321626.	83563.	0.	47290.	3419677.	808369.
4	1	131768.	98091.	11593.	0.	19895.	1260947.	114802.
4	2	21168.	15738.	1920.	0.	3154.	202171.	18884.
4	3	5531015.	4051799.	630742.	0.	734443.	50208068.	6032592.
4	4	2164325.	1564246.	218427.	0.	342060.	19540054.	2120654.
4	5	609613.	415790.	94983.	0.	80558.	4577529.	920811.
5	1	131137.	97398.	8124.	0.	23725.	1244193.	89101.
5	2	8427.	6277.	648.	0.	1416.	80056.	6666.
5	3	3751274.	2781665.	346030.	0.	557666.	35624756.	3424778.
5	4	2246177.	1666370.	195565.	0.	347006.	21421954.	1944311.
5	5	301550.	222467.	41774.	0.	30162.	2915898.	491354.
6	1	443175.	328513.	36070.	0.	71944.	4213796.	363962.
6	2	15267.	11053.	1523.	0.	2429.	138425.	14806.
6	3	406700.	299038.	45111.	0.	54222.	3742029.	432157.
6	4	872477.	641203.	82419.	0.	134335.	8136358.	806480.
7	1	201561.	147748.	14520.	0.	36711.	1888907.	150726.
7	2	65356.	47916.	5922.	0.	10408.	613133.	57972.
7	3	1487676.	1077479.	131072.	0.	254366.	13546620.	1307241.
7	4	1141441.	836450.	98470.	0.	188478.	10598240.	984638.
7	5	32560.	23444.	4324.	0.	3999.	278551.	41938.
8	3	671262.	474245.	103300.	0.	74062.	5411854.	1030110.
8	4	31111.	22116.	4621.	0.	3460.	257410.	44954.
9	3	2819355.	1929098.	461100.	0.	333595.	21524228.	4810809.
9	4	90968.	62643.	17945.	0.	6956.	656967.	204913.
9	5	551332.	385774.	98638.	0.	48141.	4726566.	1302838.

GL TOTAL	78878224.	57167532.	9195740.	0.	10786982.	699905792.	89956248.
(TONS)	86.87	62.96	10.13	0.00	11.88	770.82	99.07

FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
- RUN TIME: 08:59:34 28OCT01

EMISSIONS IN GRAMS PER DAY

INFO all reported values have been adjusted by EMISFAC = 0.9557

- -

ALL GEOGRAPHIC LOCATIONS

FT	AT	TOTAL VOC	EXHAUST HC	EVAPORATE HC	REFUELING HC	RUN LOSS HC	EXHAUST CO	EXHAUST NOx
1	1	441340.	307911.	71948.	0.	48206.	3424228.	683300.
1	2	110347.	77569.	17665.	0.	12264.	868062.	168653.
1	3	7103972.	5016461.	1067951.	0.	807383.	57396276.	10295320.
1	4	5809028.	4134282.	841853.	0.	672075.	48060532.	8066981.
1	5	193769.	131560.	38888.	0.	15656.	1330579.	412426.
2	1	441173.	327645.	37002.	0.	69920.	4187749.	371681.
2	2	18165.	13136.	2372.	0.	2192.	158967.	22423.
2	3	15501506.	11282274.	1792836.	0.	2091379.	138874464.	17167240.
2	4	16890488.	12398831.	1696560.	0.	2484199.	155598528.	16538608.
2	5	460982.	316497.	88621.	0.	38864.	3305234.	951922.
3	1	296528.	217345.	25873.	0.	48511.	2786177.	255314.
3	2	4175.	3083.	481.	0.	532.	38731.	4541.
3	3	4616248.	3383772.	514093.	0.	625695.	42119764.	4926297.
3	4	2796193.	2029047.	261178.	0.	459621.	25531012.	2565992.
3	5	467857.	321626.	83563.	0.	47290.	3419677.	808369.
4	1	131768.	98091.	11593.	0.	19895.	1260947.	114802.
4	2	21168.	15738.	1920.	0.	3154.	202171.	18884.
4	3	5531015.	4051799.	630742.	0.	734443.	50208068.	6032592.
4	4	2164325.	1564246.	218427.	0.	342060.	19540054.	2120654.
4	5	609613.	415790.	94983.	0.	80558.	4577529.	920811.
5	1	131137.	97398.	8124.	0.	23725.	1244193.	89101.
5	2	8427.	6277.	648.	0.	1416.	80056.	6666.
5	3	3751274.	2781665.	346030.	0.	557666.	35624756.	3424778.
5	4	2246177.	1666370.	195565.	0.	347006.	21421954.	1944311.
5	5	301550.	222467.	41774.	0.	30162.	2915898.	491354.
6	1	443175.	328513.	36070.	0.	71944.	4213796.	363962.
6	2	15267.	11053.	1523.	0.	2429.	138425.	14806.
6	3	406700.	299038.	45111.	0.	54222.	3742029.	432157.
6	4	872477.	641203.	82419.	0.	134335.	8136358.	806480.
7	1	201561.	147748.	14520.	0.	36711.	1888907.	150726.
7	2	65356.	47916.	5922.	0.	10408.	613133.	57972.
7	3	1487676.	1077479.	131072.	0.	254366.	13546620.	1307241.
7	4	1141441.	836450.	98470.	0.	188478.	10598240.	984638.
7	5	32560.	23444.	4324.	0.	3999.	278551.	41938.
8	3	671262.	474245.	103300.	0.	74062.	5411854.	1030110.
8	4	31111.	22116.	4621.	0.	3460.	257410.	44954.
9	3	2819355.	1929098.	461100.	0.	333595.	21524228.	4810809.
9	4	90968.	62643.	17945.	0.	6956.	656967.	204913.
9	5	551332.	385774.	98638.	0.	48141.	4726566.	1302838.
SUM		78878224.	57167532.	9195740.	0.	10786982.	699905792.	89956248.
(TONS)		86.87	62.96	10.13	0.00	11.88	770.82	99.07

FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
- RUN TIME: 08:59:34 28OCT01

EMISSIONS IN GRAMS PER DAY

INFO all reported values have been adjusted by EMISFAC = 0.9557

FACILITY TYPE	TOTAL VOC	EXHAUST HC	EVAPORATE HC	REFUELING HC	RUN LOSS HC	EXHAUST CO	EXHAUST NOx
1	13658463.	9667789.	2038306.	0.	1555583.	111079760.	19626678.
2	33312270.	24338342.	3617389.	0.	4686554.	302124864.	35051796.
3	8181010.	5954866.	885188.	0.	1181649.	73895312.	8560519.
4	8457895.	6145643.	957666.	0.	1180109.	75788848.	9207739.
5	6438555.	4774169.	592141.	0.	959975.	61286980.	5956216.
6	1737617.	1279807.	165122.	0.	262929.	16230612.	1617406.
7	2928595.	2133035.	254308.	0.	493962.	26925478.	2542518.
8	702374.	496360.	107922.	0.	77522.	5669265.	1075064.
9	3461655.	2377515.	577683.	0.	388692.	26907766.	6318563.
SUM	78878224.	57167532.	9195740.	0.	10786982.	699905792.	89956248.
(TONS)	86.87	62.96	10.13	0.00	11.88	770.82	99.07

AREA TYPE	TOTAL VOC	EXHAUST HC	EVAPORATE HC	REFUELING HC	RUN LOSS HC	EXHAUST CO	EXHAUST NOx
1	2086680.	1524649.	205129.	0.	318912.	19005996.	2028887.
2	242905.	174772.	30530.	0.	32395.	2099546.	293945.
3	41889000.	30295868.	5092242.	0.	5532821.	368448800.	49426544.
4	32042194.	23355198.	3417037.	0.	4638185.	289801120.	33277538.
5	2617665.	1817157.	450790.	0.	264670.	20554018.	4929659.
SUM	78878224.	57167532.	9195740.	0.	10786982.	699905792.	89956248.
(TONS)	86.87	62.96	10.13	0.00	11.88	770.82	99.07

NUMBER LANES	TOTAL VOC	EXHAUST HC	EVAPORATE HC	REFUELING HC	RUN LOSS HC	EXHAUST CO	EXHAUST NOx
1	20226800.	14758612.	2040874.	0.	3052106.	184846672.	20080844.
2	26638116.	19427608.	3035140.	0.	3616099.	240206656.	29578780.
3	23864504.	17221148.	2887704.	0.	3202593.	208905088.	28429112.
4	5587494.	3948918.	840468.	0.	631703.	45228480.	8122718.
5	2296258.	1628049.	345208.	0.	257735.	18754108.	3298781.
6	265267.	183310.	46336.	0.	26743.	1967394.	446315.
SUM	78878224.	57167532.	9195740.	0.	10786982.	699905792.	89956248.
(TONS)	86.87	62.96	10.13	0.00	11.88	770.82	99.07

```
 FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 08:59:34  28OCT01

 DAILY VEHICLE MILES

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
DAILY VMT - GEOGRAPHIC LOCATION NO      1:

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557
```

FT	1	2	3	4	5	TOTAL
	----------	----------	AREA TYPES	----------	----------	
1	342608.	84119.	5223570.	4008826.	185181.	9844304.
2	176202.	11293.	8542795.	8106329.	422005.	17258624.
3	123205.	2288.	2448063.	1243705.	397918.	4215179.
4	55205.	9145.	3003540.	1042783.	452298.	4562971.
5	38685.	3085.	1647762.	931264.	248883.	2869679.
6	171761.	7251.	214813.	392473.	0.	786297.
7	69141.	28200.	635770.	471159.	20589.	1224858.
8	0.	0.	491907.	22006.	0.	513914.
9	0.	0.	2217625.	85467.	473705.	2776796.
GL TOTAL	976807.	145381.	24425776.	16304016.	2200579.	44052560.

```
 FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 08:59:34  28OCT01

 DAILY VEHICLE MILES

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
DAILY VMT - ALL GEOGRAPHIC LOCATIONS
            ---------------- AREA TYPES -----------------
 FT             1         2         3         4         5     TOTAL
_____________________________________________________________________________

  1        342608.    84119.  5223570.  4008826.   185181.  9844304.
  2        176202.    11293.  8542795.  8106329.   422005. 17258624.
  3        123205.     2288.  2448063.  1243705.   397918.  4215179.
  4         55205.     9145.  3003540.  1042783.   452298.  4562971.
  5         38685.     3085.  1647762.   931264.   248883.  2869679.
  6        171761.     7251.   214813.   392473.        0.   786297.
  7         69141.    28200.   635770.   471159.    20589.  1224858.
  8             0.        0.   491907.    22006.        0.   513914.
  9             0.        0.  2217625.    85467.   473705.  2776796.

 TOTAL     976807.   145381. 24425776. 16304016.  2200579. 44052560.
--------------------
 DAILY VMT
FACILITY
    TYPE
____________________

     1    9844303.
     2   17258616.
     3    4215181.
     4    4562970.
     5    2869683.
     6     786297.
     7    1224857.
     8     513914.
     9    2776796.

 TOTAL   44052668.
--------------------
 DAILY VMT
    AREA
    TYPE
____________________

     1     976807.
     2     145381.
     3   24425776.
     4   16304016.
     5    2200579.

 TOTAL   44052668.
-------------------------------------------------------------------------------
 DAILY VMT
```

NUMBER LANES	
1	9739255.
2	14487763.
3	13908900.
4	4052190.
5	1643847.
6	220646.
TOTAL	44052668.

```
 FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 08:59:34  28OCT01

 DAILY VEHICLE HOURS

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
DAILY VHT - GEOGRAPHIC LOCATION NO      1

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557
```

FT	1	2	3	4	5	TOTAL
	---------- AREA TYPES ----------					
1	9570.	2413.	278732.	132298.	3745.	426758.
2	12377.	424.	386707.	457370.	9036.	865914.
3	7932.	101.	115185.	74575.	9774.	207567.
4	3568.	564.	137307.	57860.	13937.	213236.
5	4238.	247.	99110.	61004.	6931.	171530.
6	12450.	393.	10096.	23076.	0.	46016.
7	5930.	1737.	49357.	33313.	769.	91105.
8	0.	0.	14900.	697.	0.	15597.
9	0.	0.	82560.	1707.	11628.	95895.
GL TOTAL	56065.	5879.	1173950.	841902.	55819.	2133615.

```
 FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 08:59:34  28OCT01

 DAILY VEHICLE HOURS

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
DAILY VHT - ALL GEOGRAPHIC LOCATIONS
            ---------------- AREA TYPES -----------------
 FT             1         2         3         4         5     TOTAL
_____________________________________________________________________________

  1          9570.     2413.   278732.   132298.     3745.   426758.
  2         12377.      424.   386707.   457370.     9036.   865914.
  3          7932.      101.   115185.    74575.     9774.   207567.
  4          3568.      564.   137307.    57860.    13937.   213236.
  5          4238.      247.    99110.    61004.     6931.   171530.
  6         12450.      393.    10096.    23076.        0.    46016.
  7          5930.     1737.    49357.    33313.      769.    91105.
  8             0.        0.    14900.      697.        0.    15597.
  9             0.        0.    82560.     1707.    11628.    95895.

 TOTAL      56065.     5879.  1173950.   841902.    55819.  2133615.
--------------------
 DAILY VHT
FACILITY
    TYPE
____________________

     1     426758.
     2     865915.
     3     207567.
     4     213236.
     5     171530.
     6      46016.
     7      91105.
     8      15597.
     9      95895.

 TOTAL    2133619.
--------------------
 DAILY VHT
    AREA
    TYPE
____________________

     1      56065.
     2       5879.
     3    1173950.
     4     841902.
     5      55819.

 TOTAL    2133619.
--------------------
 DAILY VHT
```

NUMBER LANES	
1	545085.
2	683325.
3	721622.
4	126694.
5	51300.
6	5593.
TOTAL	2133619.

```
 FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 08:59:34  28OCT01

 AVERAGE CONGESTED SPEED (mph)

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
AVERAGE SPEED - GEOGRAPHIC LOCATION NO      1

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557
```

FT	1	2	3	4	5
	---------- AREA TYPES ----------				
1	35.80	34.86	18.74	30.30	49.45
2	14.24	26.64	22.09	17.72	46.70
3	15.53	22.70	21.25	16.68	40.71
4	15.47	16.22	21.87	18.02	32.45
5	9.13	12.49	16.63	15.27	35.91
6	13.80	18.44	21.28	17.01	0.00
7	11.66	16.24	12.88	14.14	26.79
8	0.00	0.00	33.01	31.56	0.00
9	0.00	0.00	26.86	50.07	40.74
GL TOTAL	17.42	24.73	20.81	19.37	39.42

```
 FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 08:59:34  28OCT01

 AVERAGE CONGESTED SPEED (mph)

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
AVERAGE SPEED - ALL GEOGRAPHIC LOCATIONS
            ---------------- AREA TYPES -----------------
 FT             1         2         3         4         5
_____________________________________________________________________________

  1          35.80     34.86     18.74     30.30     49.45
  2          14.24     26.64     22.09     17.72     46.70
  3          15.53     22.70     21.25     16.68     40.71
  4          15.47     16.22     21.87     18.02     32.45
  5           9.13     12.49     16.63     15.27     35.91
  6          13.80     18.44     21.28     17.01      0.00
  7          11.66     16.24     12.88     14.14     26.79
  8           0.00      0.00     33.01     31.56      0.00
  9           0.00      0.00     26.86     50.07     40.74

 TOTAL       17.42     24.73     20.81     19.37     39.42
--------------------
 AVERAGE SPEED
FACILITY
    TYPE
____________________

     1       23.07
     2       19.93
     3       20.31
     4       21.40
     5       16.73
     6       17.09
     7       13.44
     8       32.95
     9       28.96

 TOTAL       20.65
--------------------
 AVERAGE SPEED
    AREA
    TYPE
____________________

     1       17.42
     2       24.73
     3       20.81
     4       19.37
     5       39.42

 TOTAL       20.65
--------------------
 AVERAGE SPEED
```

NUMBER LANES	
1	17.87
2	21.20
3	19.27
4	31.98
5	32.04
6	39.45
TOTAL	20.65

YEAR 2005 EMISSYN.05A

```
SCENARIO  1        MOBILE.TEM
THE FOLLOWING IS A MATRIX WHICH ASSIGNS A SCENARIO TO EACH FT/AT COMBINATION
AT=>     1     2     3     4     5
_____________________________________
FT |
 1 |     1     1     1     1     1
 2 |     1     1     1     1     1
 3 |     1     1     1     1     1
 4 |     1     1     1     1     1
 5 |     1     1     1     1     1
 6 |     1     1     1     1     1
 7 |     1     1     1     1     1
 8 |     1     1     1     1     1
 9 |     1     1     1     1     1
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YEAR 2005 HEVAL.OUT

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   FLORIDA D.O.T.         Miami-Dade      2005 MODEL
PAGE NO.     1
       FSUTMS                                    HIGHWAY ASSIGNMENT
DATE   27OCT01
      VER 5.40
TIME  00:13:34

 "HELABELS.SYN" CONTENTS:

          LABEL FT 11  1  1 FREEWAY  FREEWAY
          LABEL FT 12  1  1
          LABEL FT 15  1  1
          LABEL FT 16  1  1
          LABEL FT 17  1  1
          LABEL FT 21  2  2 D. ART   DIV. ARTERIAL
          LABEL FT 22  2  2
          LABEL FT 23  2  2
          LABEL FT 24  2  2
          LABEL FT 25  2  2
          LABEL FT 31  3  3 U. ART   UNDIV. ARTERIAL
          LABEL FT 32  3  3
          LABEL FT 33  3  3
          LABEL FT 34  3  3
          LABEL FT 35  3  3
          LABEL FT 36  3  3
          LABEL FT 37  3  3
          LABEL FT 38  3  3
          LABEL FT 41  4  4 COLLCTR  COLLECTOR
          LABEL FT 42  4  4
          LABEL FT 43  4  4
          LABEL FT 44  4  4
          LABEL FT 45  4  4
          LABEL FT 46  4  4
          LABEL FT 47  4  4
          LABEL FT 48  4  4
          LABEL FT 51  5  5 LOCAL    CENTROID CONN.
          LABEL FT 52  5  5
          LABEL FT 61  6  6 1 WAY    ONE WAY
          LABEL FT 62  6  6
          LABEL FT 63  6  6
          LABEL FT 64  6  6
          LABEL FT 65  6  6
          LABEL FT 66  6  6
          LABEL FT 67  6  6
          LABEL FT 68  6  6
          LABEL FT 71  7  7 RAMP     RAMPS
          LABEL FT 72  7  7
          LABEL FT 73  7  7
          LABEL FT 74  7  7
          LABEL FT 75  7  7
          LABEL FT 76  7  7
          LABEL FT 77  7  7
          LABEL FT 78  7  7
          LABEL FT 79  7  7
          LABEL FT 81  8  8 HOV      HOV
          LABEL FT 82  8  8
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LABEL FT 83  8  8
LABEL FT 84  8  8
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   FLORIDA D.O.T.         Miami-Dade      2005 MODEL
PAGE NO.     2
       FSUTMS                                    HIGHWAY ASSIGNMENT
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 "HELABELS.SYN" CONTENTS:

          LABEL FT 85  8  8
          LABEL FT 86  8  8
          LABEL FT 87  8  8
          LABEL FT 88  8  8
          LABEL FT 89  8  8
          LABEL FT 91  9  9 TOLL     TOLL
          LABEL FT 92  9  9
          LABEL FT 93  9  9
          LABEL FT 94  9  9
          LABEL FT 95  9  9
          LABEL FT 96  9  9
          LABEL FT 97  9  9
          LABEL FT 98  9  9
          LABEL FT 99  9  9
          LABEL AT 11  1  1 CBD      CBD
          LABEL AT 12  1  1
          LABEL AT 13  1  1
          LABEL AT 14  1  1
          LABEL AT 21  2  2 FRINGE   FRINGE
          LABEL AT 31  3  3 RESID.   RESIDENTIAL
          LABEL AT 32  3  3
          LABEL AT 33  3  3
          LABEL AT 34  3  3
          LABEL AT 41  4  4 OBD      OBD
          LABEL AT 42  4  4
          LABEL AT 43  4  4
          LABEL AT 44  4  4
          LABEL AT 51  5  5 RURAL    RURAL
          LABEL AT 52  5  5
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   FLORIDA D.O.T.         Miami-Dade      2005 MODEL
PAGE NO.     3
       FSUTMS                                    HIGHWAY ASSIGNMENT
DATE   27OCT01
      VER 5.40
TIME  00:13:34
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FACILITY TYPES SELECTED:

FACILITY TYPES SKIPPED:

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	

AREA TYPES SELECTED:

AREA TYPES SKIPPED:

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	

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***    *** ********** ***    ***  ********  ***
***    *** ********** ***    *** ********** ***
***    *** ***         ***  ***  ***    *** ***
********** ******      ***  ***  ********** ***
********** ******       ******   ********** ***
***    *** ***           ****    ***    *** ***
***    *** **********    ****    ***    *** **********
***    *** **********     **     ***    *** **********
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(CONTACT DATA MANAGER (BMMP) 904-488-4640 IF YOU HAVE QUESTIONS)

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****   *****   ****   ****  ****   *****  ****   *****  *****   ***   *   *
*   *  *      *      *      *   *    *    *   *    *      *    *  *  **  *
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****   *****  ****    ****  *   *  *****  *        *    *****   ***   *   *
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HEVAL MODULE (D5520931.DRIVER.SETUP.FORT(HEVAL))

A GENERAL PURPOSE HIGHWAY EVALUATION PROGRAM DESIGNED TO PROVIDE THE TRANSPORTATION PLANNER WITH A TOOL TO EVALUATE A HIGHWAY ASSIGNMENT. THE PROGRAM OPERATES IN TWO MODES. ONE MODE ALLOWS THE USER TO PRINT A VARIETY OF REPORTS DESIGNED TO ASSIST IN THE TASK OF MODEL VALIDATION. THIS MODE IS REFERRED TO INTERNALLY AS VALIDATION AND IS SET BY THE USER WITH A STATEMENT - "VALIDATE=T"
THE OTHER MODE IS AS AN ASSIGNMENT ANALYSIS TOOL. THIS MODE IS GENERALLY USED FOR ASSIGNMENTS TO FUTURE YEAR NETWORKS. THIS MODE IS SET BY THE USER WITH A STATEMENT "ANALYSIS=T".

INPUT DATA FOR THIS RUN:

USES HRLDXY FILE AS DATA SOURCE
RATES=1979 UROAD AND CUTS RATES

OUTPUT DATA SETS FOR THIS RUN:

PRINTOUT ONLY

DATE AND TIME OF THIS RUN:

27OCT01 (DDMMMYY) 00:13:35 (HH.MM.SS)

TYPE OF RUN:

ANALYSIS

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 ***    ****   ****  *   *  *   *  ****   *****  *****   ***   *  *   ****
*   *  *      *      *   *  ** **  *   *    *      *    *   *  **  *  *
*****   ***    ***   *   *  * * *  ****     *      *    *   *  ** *   ***
*   *      *      *  *   *  *   *  *        *      *    *   *  * **      *
*   *  ****   ****    ***   *   *  *        *    *****   ***   *  *  ****
```

FACILITY AND AREA TYPES AS DEFINED IN THE HNET MODULE:

FACILITY TYPE 1 - FREEWAYS
FACILITY TYPE 2 - EXPRESSWAYS AND DIVIDED ARTERIALS
FACILITY TYPE 3 - UNDIVIDED ARTERIALS
FACILITY TYPE 4 - COLLECTORS
FACILITY TYPE 5 - LOCALS (CENTROID CONNECTORS) - NOT INCLUDED
FACILITY TYPE 6 - ONE WAYS
FACILITY TYPE 8 - HOV LINKS
FACILITY TYPE 9 - TOLL RAMPS

AREA TYPE 1 - CBD
AREA TYPE 2 - FRINGE
AREA TYPE 3 - RESIDENTIAL
AREA TYPE 4 - OBD
AREA TYPE 5 - RURAL

LANE VALUES REPORTED ARE TRUE LANE VALUES.

THE FOLLOWING RATES ARE USED IN THE VARIOUS CALCULATIONS:

ACCIDENT RATES:	FREEWAYS	-	1.060 PER MILLION VEHICLE MILES
	ARTERIALS	-	5.830 PER MILLION VEHICLE MILES
	LOCALS	-	8.630 PER MILLION VEHICLE MILES
INJURY RATES :	FREEWAYS	-	0.730 PER MILLION VEHICLE MILES
	ARTERIALS	-	3.850 PER MILLION VEHICLE MILES
	LOCALS	-	3.490 PER MILLION VEHICLE MILES
FATALITY RATES:	FREEWAYS	-	0.009 PER MILLION VEHICLE MILES
	ARTERIALS	-	0.019 PER MILLION VEHICLE MILES
	LOCALS	-	0.018 PER MILLION VEHICLE MILES

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  ***    ****   ****  *   *  *   *  ****   *****  *****   ***   *  *   ****
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CARBON MONOXIDE EMISSIONS (GRAMS PER VEHICLE MILE)

SPEED	FT 1	FT 2	FT 3	FT 4	FT 5	FT 6	FT 7	FT 8	FT 9
LT 20	37.73	37.73	37.73	37.73	37.73	37.73	37.73	37.73	37.73
20 - 25	27.77	27.77	27.77	27.77	27.77	27.77	27.77	27.77	27.77
25 - 30	21.82	21.82	21.82	21.82	21.82	21.82	21.82	21.82	21.82
30 - 35	17.72	17.72	17.72	17.72	17.72	17.72	17.72	17.72	17.72
35 - 40	14.74	14.74	14.74	14.74	14.74	14.74	14.74	14.74	14.74
40 - 45	12.49	12.49	12.49	12.49	12.49	12.49	12.49	12.49	12.49
45 - 50	10.76	10.76	10.76	10.76	10.76	10.76	10.76	10.76	10.76
50 - 55	10.64	10.64	10.64	10.64	10.64	10.64	10.64	10.64	10.64
55 - 60	12.84	12.84	12.84	12.84	12.84	12.84	12.84	12.84	12.84
GE 60	17.23	17.23	17.23	17.23	17.23	17.23	17.23	17.23	17.23

HYDROCARBON EMISSIONS (GRAMS PER VEHICLE MILES)

SPEED	FT 1	FT 2	FT 3	FT 4	FT 5	FT 6	FT 7	FT 8	FT 9
LT 20	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
20 - 25	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73
25 - 30	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47
30 - 35	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29
35 - 40	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16

```
    ³ 40 - 45  ³   1.05     1.05     1.05     1.05     1.05     1.05     1.05
1.05     1.05 ³
    ³ 45 - 50  ³   0.97     0.97     0.97     0.97     0.97     0.97     0.97
0.97     0.97 ³
    ³ 50 - 55  ³   0.95     0.95     0.95     0.95     0.95     0.95     0.95
0.95     0.95 ³
    ³ 55 - 60  ³   0.98     0.98     0.98     0.98     0.98     0.98     0.98
0.98     0.98 ³
    ³  GE 60   ³   1.07     1.07     1.07     1.07     1.07     1.07     1.07
1.07     1.07 ³
    +----------+--------+--------+--------+--------+--------+--------+--------+-
-------+--------+
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OXIDES OF NITROGEN EMISSIONS (GRAMS PER VEHICLE MILE)

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    +----------+--------+--------+--------+--------+--------+--------+--------+-
-------+--------+
    ³  SPEED   ³  FT 1  ³  FT 2  ³  FT 3  ³  FT 4  ³  FT 5  ³ FT 6  ³  FT 7  ³
FT 8  ³  FT 9  ³
    +----------+--------+--------+--------+--------+--------+--------+--------+-
-------+--------+
    ³          ³
³
    ³  LT 20   ³   1.99     1.99     1.99     1.99     1.99     1.99     1.99
1.99     1.99 ³
    ³ 20 - 25  ³   1.89     1.89     1.89     1.89     1.89     1.89     1.89
1.89     1.89 ³
    ³ 25 - 30  ³   1.88     1.88     1.88     1.88     1.88     1.88     1.88
1.88     1.88 ³
    ³ 30 - 35  ³   1.89     1.89     1.89     1.89     1.89     1.89     1.89
1.89     1.89 ³
    ³ 35 - 40  ³   1.91     1.91     1.91     1.91     1.91     1.91     1.91
1.91     1.91 ³
    ³ 40 - 45  ³   1.94     1.94     1.94     1.94     1.94     1.94     1.94
1.94     1.94 ³
    ³ 45 - 50  ³   1.99     1.99     1.99     1.99     1.99     1.99     1.99
1.99     1.99 ³
    ³ 50 - 55  ³   2.25     2.25     2.25     2.25     2.25     2.25     2.25
2.25     2.25 ³
    ³ 55 - 60  ³   2.56     2.56     2.56     2.56     2.56     2.56     2.56
2.56     2.56 ³
    ³  GE 60   ³   2.92     2.92     2.92     2.92     2.92     2.92     2.92
2.92     2.92 ³
    +----------+--------+--------+--------+--------+--------+--------+--------+-
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FUEL USE (GALLONS PER MILE)

SPEED	FT 1	FT 2	FT 3	FT 4	FT 5	FT 6	FT 7	FT 8	FT 9
LT 20	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
20 - 25	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
25 - 30	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
30 - 35	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
35 - 40	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
40 - 45	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
45 - 50	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
50 - 55	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
55 - 60	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
60 - 65	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
GE 65	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06

EVAL USES CONSTRUCTION CODES TO CALCULATE NEW AND IMPROVED
LANE MILES AND CONSTRUCTION COSTS. THE CODE DEFINITIONS ARE:

CODE
1 - ADD 2 LANES, FT REMAINS SAME (ONE WAY - ADD 1 LANE)
2 - ADD 4 LANES, FT REMAINS SAME (ONE WAY - ADD 2 LANES)
3 - ADD 6 LANES, FT REMAINS SAME (ONE WAY - ADD 3 LANES)
4 - ADD 2 LANES, UPGRADE FT BY 1
5 - ADD 2 LANES, UPGRADE FT BY 2
6 - ADD 4 LANES, UPGRADE FT BY 1
7 - NEW CONSTRUCTION - 2 LANES (ONE WAY - 1 LANE)
8 - NEW CONSTRUCTION - 4 LANES (ONE WAY - 2 LANES)
9 - NEW CONSTRUCTION - 6 LANES (ONE WAY - 3 LANES)
0 - NO NEW CONSTRUCTION

CONSTRUCTION COST : THOUSAND DOLLARS PER MILE

CODE	FT 1	FT 2	FT 3	FT 4	FT 5	FT 6	FT 7	FT 8	FT 9
1	1901.00	1478.00	1267.00	1267.00	0.00	1267.00	1267.00	1901.00	1901.00
2	2628.00	2464.00	2217.00	2217.00	0.00	2217.00	2217.00	2628.00	2628.00
3	2713.00	2851.00	2534.00	2534.00	0.00	2534.00	2534.00	2713.00	2713.00
4	0.00	1478.00	1267.00	1267.00	0.00	1267.00	1267.00	0.00	0.00
5	0.00	0.00	1267.00	1267.00	0.00	1267.00	1267.00	0.00	0.00
6	0.00	2464.00	2217.00	2217.00	0.00	2217.00	2217.00	0.00	0.00
7	0.00	1267.00	1267.00	1267.00	0.00	1267.00	1267.00	0.00	0.00
8	2059.00	2112.00	1760.00	1760.00	0.00	1760.00	1760.00	2059.00	2059.00
9	2628.00	2464.00	2218.00	2218.00	0.00	2218.00	2218.00	2628.00	2628.00

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- REPORT: TOTAL SYSTEM MILES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	6.14	1.68	92.18	55.62	2.03	157.65
D. ART	5.75	0.47	266.61	209.17	18.43	500.43
U. ART	6.63	0.20	161.27	57.14	63.64	288.88
COLLCTR	7.23	0.85	343.53	81.77	121.10	554.48
1 WAY	16.66	1.18	19.72	32.06	0.00	69.62
RAMP	6.19	1.96	51.05	32.12	1.78	93.10
HOV	0.00	0.00	45.31	3.30	0.00	48.61
TOLL	0.00	0.00	107.35	4.37	25.42	137.14
Totals	48.60	6.34	1087.02	475.55	232.40	1849.91

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- REPORT: TOTAL LANE MILES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	22.26	5.63	314.48	199.53	10.40	552.30
D. ART	26.05	2.32	1186.87	1027.81	76.36	2319.41
U. ART	22.76	0.40	402.14	179.12	136.96	741.38
COLLCTR	16.75	1.70	837.46	218.18	255.78	1329.87
1 WAY	44.03	2.55	49.07	82.05	0.00	177.70
RAMP	8.09	2.79	69.86	40.78	3.02	124.54
HOV	0.00	0.00	45.31	3.30	0.00	48.61
TOLL	0.00	0.00	263.35	7.74	73.64	344.73
Totals	139.94	15.39	3168.54	1758.51	556.16	5638.54

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- REPORT: TOTAL DIRECTIONAL SYSTEM MILES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	6.14	1.68	96.58	55.62	2.60	162.62
D. ART	11.50	0.94	533.22	418.34	36.86	1000.86
U. ART	13.22	0.40	322.54	114.28	127.28	577.72
COLLCTR	14.46	1.70	687.06	163.54	242.20	1108.96
1 WAY	16.66	1.18	19.72	32.06	0.00	69.62
RAMP	6.19	1.96	52.75	32.38	1.78	95.06
HOV	0.00	0.00	45.31	3.30	0.00	48.61
TOLL	0.00	0.00	107.76	4.37	25.42	137.55
Totals	68.17	7.86	1864.94	823.89	436.14	3201.00

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- REPORT: AVERAGE LINK LENGTH USING SYSTEM MILES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.17	0.14	0.34	0.31	0.34	0.31
D. ART	0.12	0.09	0.26	0.20	0.43	0.23
U. ART	0.09	0.10	0.27	0.20	0.68	0.27
COLLCTR	0.09	0.08	0.26	0.22	0.51	0.27
1 WAY	0.06	0.07	0.21	0.23	0.00	0.13
RAMP	0.10	0.10	0.11	0.09	0.16	0.10
HOV	0.00	0.00	0.17	0.16	0.00	0.17
TOLL	0.00	0.00	0.27	0.15	0.58	0.29
Totals	0.08	0.10	0.24	0.20	0.53	0.23

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- REPORT: TOTAL VMT USING VOLUMES ON LINKS WITH CAPACITIES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	358489	88018	5465702	4194648	193765	10300622
D. ART	184369	11817	8938774	8482087	441567	18058616
U. ART	128916	2394	2561540	1301356	416363	4410569
COLLCTR	57764	9569	3142758	1091120	473264	4774475
1 WAY	179722	7587	224770	410666	0	822745
RAMP	72346	29507	665240	492999	21543	1281635
HOV	0	0	514709	23026	0	537735
TOLL	0	0	2320420	89428	495663	2905511
Totals	981607	148892	23833912	16085329	2042164	43091904

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- REPORT: TOTAL VMT USING CAPACITY

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	429973	108776	5865144	3742353	188443	10334688
D. ART	214567	20539	10423699	8796605	1044587	20499996
U. ART	169522	2574	2952623	1358540	1681244	6164502
COLLCTR	97266	9794	4964203	1313781	1607539	7992582
1 WAY	319816	20472	392177	625736	0	1358202
RAMP	126469	42463	1051945	619669	37225	1877771
HOV	0	0	849563	61875	0	911438
TOLL	0	0	4858000	140186	1330423	6328609
Totals	1357613	204618	31357352	16658743	5889460	55467784

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- REPORT: RATIO OF VOLUME OVER CAPACITY
VMT

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.83	0.81	0.93	1.12	1.03	1.00
D. ART	0.86	0.58	0.86	0.96	0.42	0.88
U. ART	0.76	0.93	0.87	0.96	0.25	0.72
COLLCTR	0.59	0.98	0.63	0.83	0.29	0.60
1 WAY	0.56	0.37	0.57	0.66	0.00	0.61
RAMP	0.57	0.69	0.63	0.80	0.58	0.68
HOV	0.00	0.00	0.61	0.37	0.00	0.59
TOLL	0.00	0.00	0.48	0.64	0.37	0.46
Totals	0.72	0.73	0.76	0.97	0.35	0.78

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- REPORT: TOTAL VHT USING VOLUMES ON LINKS WITH CAPACITIES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	10013	2525	291653	138431	3918	446542
D. ART	12951	444	404634	478572	9455	906055
U. ART	8300	105	120525	78032	10227	217190
COLLCTR	3734	590	143672	60542	14583	223121
1 WAY	13027	411	10564	24146	0	48149
RAMP	6205	1817	51645	34857	804	95328
HOV	0	0	15590	730	0	16320
TOLL	0	0	86388	1786	12167	100341
Totals	54229	5893	1124672	817097	51155	2053045

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- REPORT: TOTAL VHT USING CAPACITIES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	11863	2998	226474	117565	3793	362693
D. ART	13748	711	422706	437817	21330	896312
U. ART	9616	113	124350	65612	39318	239009
COLLCTR	5719	571	200647	58686	39833	305456
1 WAY	21453	903	16848	33098	0	72302
RAMP	9977	2311	57868	36828	1128	108111
HOV	0	0	22694	1584	0	24278
TOLL	0	0	189788	3761	30633	224182
Totals	72375	7607	1261375	754952	136035	2232343

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- REPORT: RATIO OF VOLUME OVER CAPACITY
VHT

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.84	0.84	1.29	1.18	1.03	1.23
D. ART	0.94	0.62	0.96	1.09	0.44	1.01
U. ART	0.86	0.94	0.97	1.19	0.26	0.91
COLLCTR	0.65	1.03	0.72	1.03	0.37	0.73
1 WAY	0.61	0.46	0.63	0.73	0.00	0.67
RAMP	0.62	0.79	0.89	0.95	0.71	0.88
HOV	0.00	0.00	0.69	0.46	0.00	0.67
TOLL	0.00	0.00	0.46	0.47	0.40	0.45
Totals	0.75	0.77	0.89	1.08	0.38	0.92

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- REPORT: TOTAL VOLUME ON ALL LINKS WITH CAPACITIES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	2092785	639797	15824039	13443416	531948	32531984
D. ART	1673578	129793	35053560	43505228	1095555	81457712
U. ART	1387625	23783	10096237	7108633	700081	19316360
COLLCTR	689313	117070	12826314	5305274	1146668	20084640
1 WAY	2993867	109512	1098915	2031117	0	6233412
RAMP	740980	302380	5496069	4827914	136214	11503556
HOV	0	0	2358000	108758	0	2466757
TOLL	0	0	6523573	323916	765277	7612765
Totals	9578147	1322335	89276712	76654248	4375742	181207184

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- REPORT: TOTAL CAPACITIES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	2606966	772782	17365034	12017729	507346	33269856
D. ART	1951344	211696	39844972	43489864	2417772	87915640
U. ART	1774534	25740	11203829	7241617	2641444	22887164
COLLCTR	1114030	126742	19686140	6367702	3369160	30663774
1 WAY	5210462	283316	1893286	2717067	0	10104131
RAMP	1340823	392122	8683992	6196279	209542	16822758
HOV	0	0	5043750	393750	0	5437500
TOLL	0	0	14419631	601145	1885520	16906296
Totals	13998159	1812398	118140640	79025152	11030784	224007104

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- REPORT: RATIO OF VOLUME OVER CAPACITY

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.80	0.83	0.91	1.12	1.05	0.98
D. ART	0.86	0.61	0.88	1.00	0.45	0.93
U. ART	0.78	0.92	0.90	0.98	0.27	0.84
COLLCTR	0.62	0.92	0.65	0.83	0.34	0.65
1 WAY	0.57	0.39	0.58	0.75	0.00	0.62
RAMP	0.55	0.77	0.63	0.78	0.65	0.68
HOV	0.00	0.00	0.47	0.28	0.00	0.45
TOLL	0.00	0.00	0.45	0.54	0.41	0.45
Totals	0.68	0.73	0.76	0.97	0.40	0.81

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- REPORT: TOTAL VOLUME ON ALL LINKS

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	2092785	639797	15824039	13443416	531948	32531984
D. ART	1673578	129793	35053560	43505228	1095555	81457712
U. ART	1387625	23783	10096237	7108633	700081	19316360
COLLCTR	689313	117070	12826314	5305274	1146668	20084640
1 WAY	2993867	109512	1098915	2031117	0	6233412
RAMP	740980	302380	5496069	4827914	136214	11503556
HOV	0	0	2358000	108758	0	2466757
TOLL	0	0	6523573	323916	765277	7612765
Totals	9578147	1322335	89276712	76654248	4375742	181207184

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- REPORT: VOLUME PERCENTAGES ON ALL LINKS

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	1.15	0.35	8.73	7.42	0.29	17.95
D. ART	0.92	0.07	19.34	24.01	0.60	44.95
U. ART	0.77	0.01	5.57	3.92	0.39	10.66
COLLCTR	0.38	0.06	7.08	2.93	0.63	11.08
1 WAY	1.65	0.06	0.61	1.12	0.00	3.44
RAMP	0.41	0.17	3.03	2.66	0.08	6.35
HOV	0.00	0.00	1.30	0.06	0.00	1.36
TOLL	0.00	0.00	3.60	0.18	0.42	4.20
Totals	5.29	0.73	49.27	42.30	2.41	100.00

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- REPORT: AVERAGE TOTAL VOLUMES ON ALL LINKS

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	58133	53316	57542	74686	88658	63914
D. ART	33472	25959	34000	42279	25478	37747
U. ART	19544	11891	16997	24513	7448	18379
COLLCTR	8305	10643	9732	13961	4818	9894
1 WAY	11130	6844	11691	14718	0	12057
RAMP	11400	15119	12106	13873	12383	12810
HOV	0	0	8766	5179	0	8506
TOLL	0	0	16108	11170	17393	15926
Totals	16687	20035	20107	31741	10036	22848

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- REPORT: ORIGINAL SPEEDS (MPH)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	38.30	39.37	44.77	46.73	56.73	45.22
D. ART	22.85	31.69	34.55	32.78	49.81	33.97
U. ART	21.32	26.09	28.83	28.54	43.73	30.83
COLLCTR	18.85	21.70	27.57	28.97	42.46	29.88
1 WAY	18.50	25.56	28.68	25.97	0.00	24.27
RAMP	15.07	20.70	24.75	25.08	36.20	23.90
HOV	0.00	0.00	53.58	47.37	0.00	53.11
TOLL	0.00	0.00	46.30	46.25	56.81	47.97
Totals	20.28	25.62	31.22	31.34	44.06	32.14

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- REPORT: CONGESTED SPEEDS (MPH)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	36.55	34.76	25.23	31.75	49.68	27.81
D. ART	15.74	27.78	24.37	19.94	47.20	22.54
U. ART	17.00	22.86	23.02	19.53	42.58	24.43
COLLCTR	17.05	17.14	23.93	21.93	40.34	25.72
1 WAY	14.98	20.17	23.18	18.90	0.00	18.73
RAMP	12.45	16.27	16.85	15.30	29.02	16.04
HOV	0.00	0.00	37.44	39.05	0.00	37.54
TOLL	0.00	0.00	21.71	29.38	42.52	24.15
Totals	16.49	20.80	23.74	20.55	41.59	23.95

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- REPORT: PERCENT CHANGE IN SPEED

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	-4.56	-11.72	-43.65	-32.05	-12.42	-38.51
D. ART	-31.10	-12.32	-29.46	-39.19	-5.25	-33.64
U. ART	-20.27	-12.38	-20.15	-31.55	-2.63	-20.75
COLLCTR	-9.57	-21.01	-13.19	-24.28	-5.01	-13.92
1 WAY	-19.02	-21.08	-19.18	-27.24	0.00	-22.84
RAMP	-17.34	-21.44	-31.92	-38.99	-19.84	-32.88
HOV	0.00	0.00	-30.13	-17.55	0.00	-29.31
TOLL	0.00	0.00	-53.11	-36.47	-25.15	-49.67
Totals	-18.66	-18.79	-23.96	-34.42	-5.61	-25.48

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- REPORT: TOTAL VMT USING LINK VOLUMES (FSUTMS.V54+)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	358489	88018	5465702	4194648	193765	10300622
D. ART	184369	11817	8938774	8482087	441567	18058616
U. ART	128916	2394	2561540	1301356	416363	4410569
COLLCTR	57764	9569	3142758	1091120	473264	4774475
1 WAY	179722	7587	224770	410666	0	822745
RAMP	72346	29507	665240	492999	21543	1281635
HOV	0	0	514709	23026	0	537735
TOLL	0	0	2250801	89412	487127	2827339
Totals	981607	148892	23764292	16085312	2033628	43013732

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- REPORT: TOTAL VHT (FREE-FLOW TIME)
USING LINK VOLUMES (FSUTMS.V54+)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	9360	2237	121453	89756	3416	226222
D. ART	8090	376	259853	258163	8803	535286
U. ART	6023	92	88503	44805	9544	148967
COLLCTR	3045	442	110721	37426	11166	162800
1 WAY	9727	291	8097	15262	0	33377
RAMP	4713	1394	25161	18686	615	50569
HOV	0	0	9483	486	0	9969
TOLL	0	0	47987	1713	8443	58143
Totals	40958	4832	671258	466298	41988	1225334

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- REPORT: TOTAL VHT (CONGESTED TIME)
USING LINK VOLUMES (FSUTMS.V54+)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	10013	2525	291653	138431	3918	446542
D. ART	12951	444	404634	478572	9455	906055
U. ART	8300	105	120525	78032	10227	217190
COLLCTR	3734	590	143672	60542	14583	223121
1 WAY	13027	411	10564	24146	0	48149
RAMP	6205	1817	51645	34857	804	95328
HOV	0	0	15590	730	0	16320
TOLL	0	0	86388	1786	12167	100341
Totals	54229	5893	1124672	817097	51155	2053045

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- REPORT: SPEEDS (FREE-FLOW TIME) USING LINK VOLUMES (FSUTMS.V54+)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	38.30	39.35	45.00	46.73	56.72	45.53
D. ART	22.79	31.40	34.40	32.86	50.16	33.74
U. ART	21.41	26.08	28.94	29.04	43.62	29.61
COLLCTR	18.97	21.66	28.38	29.15	42.38	29.33
1 WAY	18.48	26.08	27.76	26.91	0.00	24.65
RAMP	15.35	21.16	26.44	26.38	35.02	25.34
HOV	0.00	0.00	54.28	47.34	0.00	53.94
TOLL	0.00	0.00	46.90	52.20	57.69	48.63
Totals	23.97	30.81	35.40	34.50	48.43	35.10

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- REPORT: SPEEDS (CONGESTED TIME) USING LINK VOLUMES (FSUTMS.V54+)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	35.80	34.86	18.74	30.30	49.45	23.07
D. ART	14.24	26.64	22.09	17.72	46.70	19.93
U. ART	15.53	22.70	21.25	16.68	40.71	20.31
COLLCTR	15.47	16.22	21.87	18.02	32.45	21.40
1 WAY	13.80	18.44	21.28	17.01	0.00	17.09
RAMP	11.66	16.24	12.88	14.14	26.79	13.44
HOV	0.00	0.00	33.01	31.56	0.00	32.95
TOLL	0.00	0.00	26.05	50.06	40.04	28.18
Totals	18.10	25.27	21.13	19.69	39.75	20.95

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- REPORT: PERCENT CHANGE IN SPEED USING LINK VOLUMES (FSUTMS.V54+)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	-6.53	-11.42	-58.36	-35.16	-12.81	-49.34
D. ART	-37.53	-15.14	-35.78	-46.06	-6.89	-40.92
U. ART	-27.44	-12.98	-26.57	-42.58	-6.68	-31.41
COLLCTR	-18.44	-25.13	-22.94	-38.18	-23.43	-27.04
1 WAY	-25.33	-29.29	-23.36	-36.79	0.00	-30.68
RAMP	-24.03	-23.27	-51.28	-46.39	-23.52	-46.95
HOV	0.00	0.00	-39.18	-33.34	0.00	-38.92
TOLL	0.00	0.00	-44.45	-4.09	-30.61	-42.05
Totals	-24.47	-18.00	-40.32	-42.93	-17.92	-40.32

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- REPORT: TOTAL ACCIDENT OCCURENCES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.38	0.09	5.79	4.45	0.21	10.92
D. ART	1.07	0.07	52.11	49.45	2.57	105.28
U. ART	0.74	0.01	14.70	7.47	2.39	25.32
COLLCTR	0.31	0.05	16.63	5.77	2.50	25.26
1 WAY	1.03	0.04	1.29	2.36	0.00	4.72
RAMP	0.42	0.17	3.82	2.83	0.12	7.36
HOV	0.00	0.00	0.55	0.02	0.00	0.57
TOLL	0.00	0.00	2.46	0.09	0.53	3.08
Totals	3.95	0.44	97.35	72.44	8.32	182.50

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- REPORT: TOTAL INJURY OCCURENCES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.26	0.06	3.99	3.06	0.14	7.52
D. ART	0.71	0.05	34.41	32.66	1.70	69.53
U. ART	0.45	0.01	9.02	4.58	1.47	15.53
COLLCTR	0.18	0.03	9.81	3.40	1.48	14.90
1 WAY	0.63	0.03	0.79	1.45	0.00	2.90
RAMP	0.25	0.10	2.34	1.74	0.08	4.51
HOV	0.00	0.00	0.38	0.02	0.00	0.39
TOLL	0.00	0.00	1.69	0.07	0.36	2.12
Totals	2.49	0.28	62.43	46.97	5.22	117.39

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- REPORT: TOTAL FATALITY OCCURENCES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.00	0.00	0.05	0.04	0.00	0.09
D. ART	0.00	0.00	0.17	0.16	0.01	0.34
U. ART	0.00	0.00	0.05	0.02	0.01	0.08
COLLCTR	0.00	0.00	0.05	0.02	0.01	0.08
1 WAY	0.00	0.00	0.00	0.01	0.00	0.02
RAMP	0.00	0.00	0.01	0.01	0.00	0.02
HOV	0.00	0.00	0.00	0.00	0.00	0.00
TOLL	0.00	0.00	0.02	0.00	0.00	0.03
Totals	0.01	0.00	0.36	0.26	0.03	0.67

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- REPORT: TOTAL EMISSIONS OF CARBON MONOXIDE (KILOGRAMS)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	5705	1419	98357	78818	2076	186376
D. ART	6541	265	228950	250135	5244	491134
U. ART	4439	66	70699	38643	5498	119346
COLLCTR	2177	347	83750	30938	6930	124143
1 WAY	6720	216	6395	13143	0	26473
RAMP	2622	952	20138	15815	482	40009
HOV	0	0	8879	402	0	9281
TOLL	0	0	32770	1000	6649	40419
Totals	28203	3266	549938	428894	26879	1037181

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- REPORT: TOTAL EMISSIONS OF HYDROCARBONS (KILOGRAMS)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	434	107	7147	5631	187	13505
D. ART	400	18	14876	15781	447	31522
U. ART	272	4	4506	2427	452	7662
COLLCTR	133	21	5376	1963	544	8038
1 WAY	410	14	406	814	0	1643
RAMP	160	59	1270	983	33	2505
HOV	0	0	654	29	0	683
TOLL	0	0	2562	88	501	3150
Totals	1809	223	36798	27717	2163	68709

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- REPORT: TOTAL EMISSIONS OF OXIDES OF NITROGEN (KILOGRAMS)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	682	168	10514	8043	404	19812
D. ART	363	22	17060	16366	952	34763
U. ART	252	5	4903	2506	806	8472
COLLCTR	115	19	5997	2094	912	9136
1 WAY	357	15	432	796	0	1601
RAMP	143	57	1290	959	42	2492
HOV	0	0	1029	45	0	1074
TOLL	0	0	4833	195	1259	6286
Totals	1912	286	46058	31004	4375	83636

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- REPORT: TOTAL FUEL USE (GALS)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	22434	5508	342044	262501	12126	644613
D. ART	11538	739	559389	530809	27633	1130109
U. ART	8068	150	160301	81439	26056	276013
COLLCTR	3615	599	196674	68282	29617	298787
1 WAY	11247	475	14066	25699	0	51487
RAMP	4527	1847	41631	30852	1348	80205
HOV	0	0	32210	1441	0	33651
TOLL	0	0	145212	5596	31019	181827
Totals	61429	9318	1491527	1006620	127799	2696692

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- REPORT: TOTAL NEW LANE MILEAGE

	CBD	FRINGE	RESID.	OBD	RURAL	Total
Totals	0	0	0	0	0	0

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- REPORT: TOTAL CONSTRUCTION COST (X $1000)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
Totals	0	0	0	0	0	0

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- REPORT: TOTAL DELAY DUE TO CONGESTION (VEH-HRS)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	653.56	288.32	170200.08	48675.37	502.04	220319.38
D. ART	4860.83	67.14	144780.84	220409.28	651.85	370769.94
U. ART	2277.41	13.69	32021.32	33227.28	682.87	68222.57
COLLCTR	688.67	148.29	32951.31	23115.99	3416.89	60321.15
1 WAY	3299.43	120.50	2467.78	8884.00	0.00	14771.71
RAMP	1491.23	422.87	26484.17	16171.41	189.12	44758.81
HOV	0.00	0.00	6107.61	243.32	0.00	6350.93
TOLL	0.00	0.00	38400.86	73.02	3723.80	42197.67
Totals	13271.14	1060.81	453414.00	350799.66	9166.56	827712.12

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HIGHWAY EVALUATION -- YEAR/ALT (a05) : MILES OF ROADWAY AT EACH LEVEL OF SERVICE

	LEVEL OF SERVICE						
	A	B	C	D	E	F	TOTAL
FREEWAY	39.33	20.09	24.40	26.64	30.20	16.99	157.65
D. ART	166.79	107.80	94.96	58.71	35.48	36.70	500.43
U. ART	156.56	30.96	24.44	21.00	19.15	36.77	288.88
COLLCTR	379.61	43.00	44.63	28.57	21.79	36.86	554.48
1 WAY	50.82	11.36	4.76	1.35	0.67	0.66	69.62
RAMP	58.04	10.16	7.40	5.88	5.76	5.88	93.10
HOV	35.34	9.70	3.57	0.00	0.00	0.00	48.61
TOLL	123.17	3.76	5.36	0.77	3.49	0.59	137.14
Total	1009.66	236.83	209.52	142.92	116.54	134.45	1849.91

HIGHWAY EVALUATION -- YEAR/ALT (a05) : PERCENT OF MILEAGE AT EACH LEVEL OF SERVICE

	LEVEL OF SERVICE						
	A	B	C	D	E	F	TOTAL
FREEWAY	2.13	1.09	1.32	1.44	1.63	0.92	8.52
D. ART	9.02	5.83	5.13	3.17	1.92	1.98	27.05
U. ART	8.46	1.67	1.32	1.14	1.03	1.99	15.62
COLLCTR	20.52	2.32	2.41	1.54	1.18	1.99	29.97
1 WAY	2.75	0.61	0.26	0.07	0.04	0.04	3.76
RAMP	3.14	0.55	0.40	0.32	0.31	0.32	5.03
HOV	1.91	0.52	0.19	0.00	0.00	0.00	2.63
TOLL	6.66	0.20	0.29	0.04	0.19	0.03	7.41
Total	54.58	12.80	11.33	7.73	6.30	7.27	100.00

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
1	2161	2516	26940.	36218.	0.74	23	31
1	2429	2431	8937.	54359.	0.16	92	51
1	2504	8497	12023.	12870.	0.93	37	31
1	2506	2507	21037.	34348.	0.61	24	31
1	2509	2510	55664.	51978.	1.07	24	31
1	2520	8494	46092.	51978.	0.89	24	31
1	2521	8494	49293.	51978.	0.95	24	31
1	2523	2524	7590.	11522.	0.66	45	31
1	2525	2526	18485.	24914.	0.74	44	31
1	2529	2580	7683.	11522.	0.67	45	31
1	2531	7437	8613.	9218.	0.93	47	31
1	2533	2592	13324.	13740.	0.97	36	31
1	2536	7793	46032.	51978.	0.89	24	42
1	2541	8775	79210.	72478.	1.09	12	51
1	2547	2712	16585.	18044.	0.92	23	31
1	2603	2604	21015.	63392.	0.33	21	51
1	2612	8780	10330.	54359.	0.19	92	51
1	2685	3316	47441.	54326.	0.87	23	31
1	3317	8497	12045.	12870.	0.94	37	31
1	3856	4985	117482.	55989.	2.10	12	31
1	4258	2541	79200.	72478.	1.09	12	51
1	4970	4975	0.	18750.	0.00	88	31
1	4995	3858	117465.	55989.	2.10	12	31
1	4998	5001	0.	18750.	0.00	87	31
1	5175	7750	26581.	55989.	0.47	92	31
1	5195	6887	30474.	55989.	0.54	92	31
1	8775	2430	79210.	72478.	1.09	12	51
1	8780	2500	10330.	54359.	0.19	92	51
1	TOTALS		969082.	1152863.	0.84	SCREEN LINE 1	

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
2	2170	6508	24187.	34348.	0.70	24	31
2	2427	2426	18254.	54359.	0.34	92	51
2	2458	9679	36242.	55989.	0.65	92	31
2	2491	5979	2042.	9218.	0.22	47	31
2	2859	2717	23505.	54359.	0.43	92	51
2	2971	4481	47564.	48260.	0.99	24	51
2	3175	3658	9990.	11522.	0.87	45	31
2	3574	7266	6421.	12108.	0.53	44	31
2	3781	5727	8838.	12870.	0.69	37	31
2	3788	5881	8063.	11522.	0.70	45	31
2	4053	4054	40742.	55989.	0.73	12	31
2	4056	4052	26350.	55989.	0.47	12	31
2	4250	7275	8252.	36218.	0.23	23	44
2	4273	4275	40578.	51978.	0.78	24	41
2	4620	7269	32306.	51978.	0.62	24	31
2	4754	7810	3805.	24914.	0.15	44	41
2	5082	5084	46241.	50544.	0.91	25	31
2	5083	7316	24246.	12108.	2.00	44	31
2	5349	5352	36755.	51978.	0.71	24	31
2	5582	7327	31692.	34348.	0.92	24	31
2	5726	5728	37377.	50544.	0.74	25	42
2	5879	5883	34755.	34348.	1.01	24	31
2	5976	5981	36213.	34348.	1.05	24	42
2	6074	6076	50476.	51978.	0.97	24	31
2	6153	6156	64382.	51978.	1.24	24	31
2	6199	7345	15747.	11522.	1.37	45	31
2	6251	8516	37064.	74478.	0.50	92	31
2	6252	7974	14525.	9218.	1.58	46	41
2	6253	6254	2248.	9218.	0.24	46	31
2	6307	6308	27501.	34348.	0.80	24	31
2	6337	6342	11438.	16086.	0.71	33	31
2	6384	6387	24593.	34348.	0.72	24	41
2	6452	6458	12452.	34348.	0.36	24	41
2	6456	7512	13663.	12870.	1.06	37	31
2	6556	6558	910.	12500.	0.07	43	51
2	6607	6608	1210.	25000.	0.05	43	51
2	7808	7890	12681.	24914.	0.51	44	41
2	8516	9753	37064.	74478.	0.50	92	31
2	8517	9754	36242.	74478.	0.49	12	31
2	8619	8622	18579.	47120.	0.39	75	31
2	8620	8623	1016.	8239.	0.12	72	31
2	8622	8621	18579.	31413.	0.59	75	31
2	8623	8624	1016.	8239.	0.12	72	31
2	8624	8625	1016.	8239.	0.12	72	31

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2      8625  8628      1016.      8239.       0.12       72 31
2      8626  8627     18478.     31413.       0.59       71 31
2      8627  8630     18478.     31413.       0.59       71 31
2      9678  2456     37064.     55989.       0.66       92 31
2      9679  8517     36242.     74478.       0.49       12 31
2      9753  9678     37064.     74478.       0.50       92 31
2      9754  8194     36242.     74478.       0.49       12 31

2        TOTALS     1171409.   1855339.       0.63    SCREEN LINE  2
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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
3	2134	2139	18831.	22761.	0.83	64	43
3	2138	2133	19278.	22761.	0.85	64	43
3	2405	4249	17515.	54359.	0.32	92	51
3	2715	3138	31512.	34348.	0.92	24	31
3	2715	3139	11701.	34348.	0.34	24	44
3	2970	6069	18309.	34348.	0.53	24	31
3	2972	4277	15297.	12500.	1.22	43	51
3	2973	7381	12700.	11522.	1.10	45	31
3	2976	8381	3366.	9218.	0.37	46	31
3	2984	7825	17885.	25782.	0.69	37	31
3	2991	2992	11089.	16086.	0.69	33	31
3	2994	2997	29375.	34348.	0.86	24	31
3	3000	3651	15147.	16086.	0.94	33	31
3	3007	7593	39833.	34348.	1.16	24	41
3	3099	7825	21492.	25782.	0.83	37	31
3	3137	3138	35539.	51978.	0.68	24	41
3	3142	3143	37499.	34348.	1.09	24	41
3	3146	3147	49254.	51978.	0.95	24	41
3	3150	3628	31245.	34348.	0.91	24	31
3	3156	3157	12487.	15326.	0.81	42	31
3	3160	3161	5147.	11522.	0.45	45	31
3	3166	7404	31374.	51978.	0.60	24	31
3	3173	3174	8154.	11522.	0.71	45	31
3	3181	3182	8590.	12870.	0.67	37	31
3	3187	3297	15942.	25782.	0.62	37	31
3	3206	8097	14835.	17174.	0.86	32	41
3	3209	8096	31562.	34348.	0.92	24	41
3	3302	3303	37585.	34348.	1.09	24	31
3	3307	7414	2404.	9218.	0.26	46	31
3	3721	4277	41167.	54326.	0.76	23	41
3	3884	3889	91385.	74478.	1.23	12	31
3	3885	3883	90145.	74478.	1.21	12	31
3	4223	4220	85257.	93098.	0.92	12	41
3	4225	4219	86060.	74478.	1.16	12	41
3	4244	3205	25127.	54359.	0.46	92	51
3	4785	4793	14373.	18750.	0.77	88	31
3	4787	4780	14808.	18750.	0.79	87	31
3	TOTALS		1053268.	1248054.	0.84	SCREEN LINE 3	

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
4	2045	2040	68268.	55989.	1.22	12	31
4	2500	4329	10330.	55989.	0.18	92	31
4	2621	7439	28191.	34348.	0.82	24	31
4	2695	2429	8937.	55989.	0.16	92	31
4	2729	2732	15079.	24914.	0.61	44	31
4	2736	2737	63600.	55989.	1.14	12	31
4	2874	4235	23142.	32956.	0.70	41	31
4	2991	2994	13999.	13740.	1.02	36	31
4	3109	4221	43231.	34348.	1.26	24	41
4	3232	3234	49943.	50544.	0.99	25	41
4	3255	8505	18168.	12870.	1.41	37	31
4	3421	4206	62465.	51978.	1.20	24	41
4	3423	4197	54109.	51978.	1.04	24	44
4	3592	3594	26487.	24914.	1.06	44	44
4	3763	8505	17229.	12870.	1.34	37	31
4	4134	5996	37784.	34348.	1.10	24	31
4	4146	4163	36204.	37500.	0.97	12	31
4	4162	4144	34798.	37500.	0.93	12	31
4	4200	7656	19917.	12870.	1.55	37	44
4	4429	4773	31700.	34348.	0.92	24	44
4	4636	4637	41368.	51978.	0.80	24	44
4	4637	7875	78655.	51978.	1.51	24	41
4	4777	4783	6013.	11522.	0.52	45	41
4	4926	4928	37463.	17174.	2.18	32	41
4	4927	2291	78188.	55989.	1.40	12	41
4	5103	5104	65577.	51978.	1.26	24	41
4	5367	7385	47503.	34348.	1.38	24	41
4	5606	7390	46769.	33392.	1.40	25	41
4	5750	5751	59293.	50544.	1.17	25	41
4	5906	5908	44361.	34348.	1.29	24	31
4	6100	6101	37024.	50544.	0.73	25	41
4	7300	8071	35522.	34348.	1.03	24	41
4	8391	8392	5375.	16086.	0.33	41	41
4	TOTALS		1246692.	1220211.	1.02	SCREEN LINE 4	

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SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
5	2097	2103	11027.	22761.	0.48	64	43
5	2102	2097	11820.	22761.	0.52	64	43
5	2725	2730	11425.	11522.	0.99	45	44
5	3428	3429	35835.	51978.	0.69	24	44
5	3437	3439	26031.	12870.	2.02	37	44
5	3446	3447	14701.	24914.	0.59	44	41
5	3456	3457	39714.	34348.	1.16	24	41
5	3463	3464	12983.	22761.	0.57	64	41
5	3467	3466	10703.	22761.	0.47	64	41
5	3471	3472	24230.	25782.	0.94	37	41
5	3477	3478	39948.	34348.	1.16	24	31
5	3488	3489	28252.	34348.	0.82	24	41
5	3497	3498	31781.	34348.	0.93	24	41
5	3504	3506	39977.	51978.	0.77	24	31
5	3511	3512	24695.	34348.	0.72	24	31
5	3518	3519	18882.	32956.	0.57	41	31
5	3527	3528	26756.	33392.	0.80	25	41
5	3538	3539	5108.	11522.	0.44	45	31
5	3544	3546	34469.	34348.	1.00	24	31
5	3552	3553	18871.	31696.	0.60	34	41
5	3563	3564	40151.	34348.	1.17	24	41
5	3900	3907	94292.	74478.	1.27	12	31
5	3902	3897	94613.	74478.	1.27	12	31
5	4669	4685	14685.	18750.	0.78	88	31
5	4675	4665	14095.	18750.	0.75	87	31
5	6998	6999	63585.	51978.	1.22	24	41
5	TOTALS		788629.	858524.	0.92	SCREEN LINE 5	

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SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
6	2125	2115	68790.	55989.	1.23	12	41
6	2416	8742	33387.	34348.	0.97	24	41
6	2416	9199	26716.	32652.	0.82	33	41
6	2435	3626	11547.	55989.	0.21	92	31
6	2504	2506	4673.	9218.	0.51	46	31
6	2554	7210	33096.	36218.	0.91	23	31
6	2639	3610	8344.	11522.	0.72	45	31
6	2640	6864	40713.	51978.	0.78	24	31
6	2641	3595	8904.	11522.	0.77	45	31
6	2710	2437	12289.	55989.	0.22	92	31
6	2720	8742	33363.	34348.	0.97	24	41
6	2762	2766	69436.	55989.	1.24	12	41
6	2764	2768	4681.	15457.	0.30	67	41
6	2767	2763	4401.	15457.	0.28	67	41
6	3011	3014	10493.	12108.	0.87	44	41
6	3012	3018	41130.	34348.	1.20	24	41
6	3261	3262	41081.	34348.	1.20	24	31
6	3409	4802	29893.	13740.	2.18	36	41
6	3482	3484	17841.	11522.	1.55	45	41
6	3483	6980	50521.	34348.	1.47	24	41
6	3495	8240	15221.	12108.	1.26	44	31
6	3723	7387	11252.	11522.	0.98	45	41
6	3846	5782	16075.	23608.	0.68	45	31
6	3909	7137	67020.	55989.	1.20	12	41
6	4016	4019	66448.	55989.	1.19	12	31
6	4316	7453	14455.	34348.	0.42	24	44
6	4322	6956	34212.	55989.	0.61	12	31
6	4539	4541	36865.	32652.	1.13	33	41
6	4540	8955	29998.	32652.	0.92	33	41
6	4542	8956	29998.	32652.	0.92	33	41
6	4666	4667	16789.	16086.	1.04	33	41
6	4668	9200	26716.	32652.	0.82	33	41
6	4792	4797	34455.	34348.	1.00	24	41
6	4946	4018	63449.	55989.	1.13	12	31
6	5132	5133	47835.	34348.	1.39	24	41
6	5134	7499	45509.	34348.	1.32	24	41
6	5386	5387	50113.	33392.	1.50	25	41
6	5639	5643	28988.	23608.	1.23	45	12
6	5642	5644	34274.	33392.	1.03	25	12
6	5784	5786	43656.	33392.	1.31	25	41
6	5929	5936	30883.	23608.	1.31	45	41
6	5931	5933	44617.	50544.	0.88	25	41
6	6033	6034	24724.	13740.	1.80	36	31
6	6957	4321	31518.	55989.	0.56	12	31

6	7139	4671	60642.	55989.	1.08	12	41
6	8955	8956	29998.	32652.	0.92	33	41
6	9199	9200	26716.	32652.	0.82	33	41
6	TOTALS		1513727.	1561328.	0.97		

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
7	2004	7854	69580.	54326.	1.28	23	32
7	2039	2051	27862.	33392.	0.83	25	42
7	2041	2057	15144.	33392.	0.45	25	12
7	2042	2058	22039.	25044.	0.88	38	43
7	2323	5092	60548.	50544.	1.20	25	31
7	2335	2345	54850.	74478.	0.74	92	31
7	2389	5103	47762.	34348.	1.39	24	31
7	3984	3987	5187.	15707.	0.33	79	11
7	3986	3985	77746.	77174.	1.01	11	11
7	4482	4903	45997.	74478.	0.62	92	31
7	4908	5083	63550.	51978.	1.22	24	41
7	5002	5198	12554.	15707.	0.80	75	11
7	5003	5209	71384.	77174.	0.92	11	11
7	5013	5014	6950.	11522.	0.60	45	11
7	5020	7446	14256.	24478.	0.58	38	11
7	5026	5027	7424.	11522.	0.64	45	11
7	5034	5037	8042.	22174.	0.36	64	11
7	5048	5046	20465.	22174.	0.92	64	11
7	5059	5060	17824.	22174.	0.80	64	11
7	5071	5072	57588.	60086.	0.96	25	11
7	5106	8379	24383.	23608.	1.03	45	31
7	5113	5114	43872.	34348.	1.28	24	31
7	5122	5123	16491.	12870.	1.28	37	31
7	5131	5132	61793.	51978.	1.19	24	41
7	5140	5141	47062.	34348.	1.37	24	41
7	5147	5148	14697.	12870.	1.14	37	31
7	5153	5154	56638.	50544.	1.12	25	41
7	5159	5160	38919.	33392.	1.17	25	41
7	5164	5166	43709.	50544.	0.86	25	31
7	5170	5171	41524.	27130.	1.53	36	41
7	5173	5180	12598.	16086.	0.78	33	41
7	5176	5177	37223.	33392.	1.11	25	31
7	7729	8503	0.	18750.	0.00	98	31
7	8503	2462	0.	18750.	0.00	98	31
7	TOTALS		1145658.	1210482.	0.95		

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
8	2146	2149	38519.	51978.	0.74	24	43
8	2171	2803	73310.	55989.	1.31	12	31
8	2213	2214	23231.	31413.	0.74	75	31
8	2236	2242	24781.	31413.	0.79	79	31
8	2252	2928	19640.	24914.	0.79	44	31
8	2269	2244	5429.	15707.	0.35	75	31
8	2270	2271	52541.	55989.	0.94	12	31
8	2280	2281	55795.	55989.	1.00	12	31
8	2438	2475	4077.	55989.	0.07	92	31
8	2477	6895	5308.	55989.	0.09	92	31
8	2509	2513	30297.	36218.	0.84	23	31
8	2558	2561	50890.	54326.	0.94	23	31
8	2565	2669	9816.	11522.	0.85	45	31
8	2660	2664	43247.	51978.	0.83	24	31
8	2804	2172	79134.	55989.	1.41	12	31
8	2807	3713	5202.	13740.	0.38	36	31
8	2811	2812	28833.	34348.	0.84	24	31
8	2819	2820	7772.	9218.	0.84	46	31
8	2824	2949	12919.	11522.	1.12	45	31
8	2831	3709	10404.	11522.	0.90	45	31
8	2832	2953	6148.	9218.	0.67	46	31
8	2844	2960	29607.	34348.	0.86	24	41
8	2850	4404	55719.	63566.	0.88	24	41
8	3706	3707	10407.	11522.	0.90	45	31
8	4911	4913	7508.	18750.	0.40	88	31
8	5365	5375	4203.	18750.	0.22	87	31
8	8261	8262	9660.	11522.	0.84	45	31
8	TOTALS		704396.	893429.	0.79		

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
9	2295	2290	26053.	55989.	0.47	92	31
9	3749	7534	18186.	16086.	1.13	41	41
9	3798	5974	34648.	34348.	1.01	24	41
9	4152	4153	35946.	31413.	1.14	75	31
9	4494	5972	28421.	55989.	0.51	92	31
9	5956	6038	17241.	20544.	0.84	36	51
9	5958	7370	10586.	32956.	0.32	41	31
9	5959	7223	7272.	24914.	0.29	44	31
9	5962	7330	20956.	34348.	0.61	24	31
9	5963	6050	5095.	24914.	0.20	44	31
9	5966	6054	28046.	34348.	0.82	24	31
9	5969	6063	26684.	34348.	0.78	24	31
9	6078	7373	34675.	34348.	1.01	24	31
9	6092	6093	30824.	34348.	0.90	24	31
9	6110	7950	38131.	50544.	0.75	25	41
9	6112	6116	21959.	16086.	1.37	33	31
9	6120	6121	30843.	17174.	1.80	32	32
9	6126	6178	22012.	17174.	1.28	32	32
9	7893	8328	15951.	60218.	0.26	31	51
9	8224	4149	64686.	55989.	1.16	12	31
9	TOTALS		518214.	686078.	0.76		

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
10	2218	2912	34328.	36218.	0.95	23	31
10	2480	2293	19980.	55989.	0.36	92	31
10	2487	5198	10876.	11522.	0.94	45	31
10	2582	3857	74942.	51978.	1.44	24	31
10	2610	7400	9364.	11522.	0.81	45	31
10	2674	2676	69856.	51978.	1.34	24	31
10	2678	2679	44019.	34348.	1.28	24	41
10	2798	2804	64736.	55989.	1.16	12	41
10	2803	2797	58746.	55989.	1.05	12	41
10	2919	2921	4597.	11522.	0.40	45	31
10	2923	2927	10011.	9218.	1.09	46	31
10	3051	3054	15073.	27826.	0.54	64	31
10	3053	3050	15010.	27826.	0.54	64	31
10	3163	3167	40408.	32652.	1.24	33	31
10	3166	3168	39572.	51978.	0.76	24	31
10	3284	3286	38670.	33392.	1.16	25	31
10	3382	7397	32236.	25044.	1.29	38	31
10	3527	3531	22296.	25033.	0.89	38	41
10	3529	7406	13481.	11522.	1.17	45	41
10	3530	3526	15194.	22761.	0.67	64	31
10	3927	8426	57846.	55989.	1.03	12	31
10	3963	3989	68680.	58141.	1.18	11	41
10	3990	4989	69513.	58141.	1.20	11	41
10	4067	4070	24031.	38587.	0.62	11	41
10	4068	5833	22396.	38587.	0.58	11	41
10	4479	2479	19716.	55989.	0.35	92	31
10	4584	7403	23872.	32652.	0.73	33	31
10	4586	7401	42299.	34348.	1.23	24	41
10	4719	4722	5022.	15218.	0.33	34	41
10	4724	7840	18182.	32652.	0.56	33	41
10	4870	7841	19242.	23608.	0.82	45	41
10	4874	8063	21474.	34348.	0.63	24	41
10	4984	4991	14512.	11522.	1.26	45	31
10	4990	4996	6548.	11522.	0.57	45	41
10	5007	8065	3697.	15457.	0.24	63	31
10	5014	5006	3587.	15457.	0.23	63	11
10	5182	5183	26355.	32728.	0.81	33	41
10	5189	5201	11924.	22761.	0.52	64	31
10	5194	5204	852.	15022.	0.06	64	21
10	5200	5188	9041.	15022.	0.60	64	31
10	5203	5192	1204.	15022.	0.08	64	21
10	5207	5196	1584.	15022.	0.11	64	21
10	5434	5439	14904.	22761.	0.65	64	41
10	5440	5437	14544.	22761.	0.64	64	31

10	5441	8020	16677.	22761.	0.73	64 41
10	5688	5689	29136.	34348.	0.85	24 31
10	5840	5844	13716.	16892.	0.81	24 31
10	5847	7377	28198.	34348.	0.82	24 31
10	8425	3925	75794.	55989.	1.35	12 31
10	TOTALS		1297940.	1501962.	0.86	

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HIGHWAY EVALUATION -- YEAR/ALT (a05) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
11	3669	6237	18322.	27392.	0.67	31	51
11	3811	6320	4617.	9218.	0.50	46	31
11	3814	6324	13931.	16086.	0.87	33	32
11	4336	6313	55446.	50544.	1.10	25	41
11	6244	7341	44968.	51978.	0.87	24	41
11	6253	6301	26434.	34348.	0.77	24	31
11	6299	8192	69692.	55989.	1.24	92	31
11	6326	6358	27808.	17174.	1.62	32	31
11	6329	7981	3546.	9218.	0.38	46	32
11	7986	7989	8956.	9218.	0.97	46	41
11	7995	7996	18405.	13740.	1.34	36	31
11	8193	2284	73561.	55989.	1.31	92	31
11	TOTALS		365685.	350894.	1.04		
12	2001	5331	17750.	54326.	0.33	23	44
12	2006	2007	68701.	54326.	1.26	23	32
12	2043	4473	6928.	32652.	0.21	33	31
12	2072	2074	115170.	111978.	1.03	12	31
12	2108	3569	40905.	51978.	0.79	24	31
12	2148	8175	43762.	63566.	0.69	24	43
12	2156	8154	20791.	111978.	0.19	17	31
12	3213	3214	20427.	34348.	0.59	24	31
12	5848	5849	45614.	54326.	0.84	23	32
12	TOTALS		380049.	569478.	0.67		
13	2155	8461	14688.	37500.	0.39	92	32
13	2452	8460	16254.	37500.	0.43	92	32
13	3666	6371	20863.	34392.	0.61	32	32
13	6364	6366	1742.	12500.	0.14	43	51
13	6367	6368	6548.	12260.	0.53	43	31
13	6371	7998	5495.	13740.	0.40	36	31
13	6433	8377	9393.	13740.	0.68	36	31
13	6489	7491	5373.	12260.	0.44	43	32
13	6492	6546	32799.	34348.	0.95	24	42
13	6501	6503	35644.	51978.	0.69	24	31
13	6558	6559	1200.	15326.	0.08	42	31
13	6562	6563	1262.	9218.	0.14	46	32
13	6568	6611	8.	12500.	0.00	43	51
13	8460	2120	16254.	37500.	0.43	92	32
13	8461	2454	14688.	37500.	0.39	92	32

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13        TOTALS      182210.    372262.       0.49


99        TOTALS   169869824. 210527280.       0.81 SCREEN LINE 99
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 ****  *****   ***   *****  *****   ****  *****  *****   ****   ****
*        *    *   *    *      *    *        *      *    *      *
 ***     *    *****    *      *     ***     *      *    *       ***
    *    *    *   *    *      *        *    *      *    *  *
****     *    *   *    *    *****  ****     *    *****   ****  ****
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TOTAL NUMBER OF LINKS	7931
TOTAL SYSTEM MILES	1849.91
TOTAL LANE MILES	5638.54
TOTAL DIRECTIONAL MILES	3201.00
TOTAL VMT USING VOLUMES	43091904
TOTAL VMT USING CAPACITY	55467784
TOTAL VMT V/C	0.78
TOTAL VHT USING VOLUMES	2053045
TOTAL VHT USING CAPACITY	2232343
TOTAL VHT V/C	0.92
TOTAL VOLUMES ALL LINKS	181207184
AVERAGE TOTAL VOLUME	22847.96
TOTAL VMT ALL LINKS	43091904
TOTAL VHT ALL LINKS	2053045
TOTAL ORIGINAL SPEED (MPH)	32.14
TOTAL CONGESTED SPEED (MPH)	23.95
TOTAL ACCIDENTS	182.50
TOTAL INJURIES	117.39
TOTAL FATALITIES	0.67
TOTAL CO EMISSIONS (KILOGRAMS)	1037181
TOTAL HC EMISSIONS (KILOGRAMS)	68709
TOTAL NO EMISSIONS (KILOGRAMS)	83636
TOTAL FUEL USE	2696692
TOTAL NEW LANE MILEAGE	0
TOTAL CONSTRUCTION COST (X $1000)	0

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TOTAL ACCIDENT COST (DOLLARS)              4649831

TOTAL USERS COST (DOLLARS)                17667648

TOTAL MAINTENANCE COST (DOLLARS)            744349

TOTAL DELAY DUE TO CONGESTION (VEH-HRS)     827712.12
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YEAR 2005 MOBILE.05A

```
5          PROMPT - vertical flag input, no prompting (NLEV 2001)
MOBILE5a FDOT: MIAMI 2005 WITH FSUTMS.V54 (Includes NLEV Starting in 2001)
1          TAMFLG - default tampering rates
1          SPDFLG - one speed per scenario
1          VMFLAG - default vmt mix
1          MYMRFG - default registration and mileage accrual rates
2          NEWFLG - alternate exhaust emission rates
1          IMFLAG - without I/M program
1          ALHFLG - no additional correction factor inputs
1          ATPFLG - without anti-tampering program
5          RLFLAG - no refueling losses, treated as stationary source
2          LOCFLG - read in local area parameters as one time
1          TEMFLG - calculate exhaust temperatures
4          OUTFMT - 80 column portrait output format
4          PRTFLG - print exhaust HC, CO and NOx emission factor results
2          IDLFLG - Calculate & print idle emissions results (when available)
3          NMHFLG - print VOCs
3          HCFLAG - print HC components
004
1 7 3 90 90 05.639 00.000
1 7 3 91 97 04.598 00.000
1 7 3 98 03 03.679 00.000
1 7 3 04 20 01.840 00.000
MIAMI         FL C 69.3 91.2  9.2  7.8 92           LAP record
4 05  3.0 84.  20.6 27.3 20.6  7                    Scenario records
01 1 1
4 05  6.0 84.  20.6 27.3 20.6  7
01 1 1
4 05  9.0 84.  20.6 27.3 20.6  7
01 1 1
4 05 12.0 84.  20.6 27.3 20.6  7
01 1 1
4 05 15.0 84.  20.6 27.3 20.6  7
01 1 1
4 05 18.0 84.  20.6 27.3 20.6  7
01 1 1
4 05 21.0 84.  20.6 27.3 20.6  7
01 1 1
4 05 24.0 84.  20.6 27.3 20.6  7
01 1 1
4 05 27.0 84.  20.6 27.3 20.6  7
01 1 1
4 05 30.0 84.  20.6 27.3 20.6  7
01 1 1
4 05 33.0 84.  20.6 27.3 20.6  7
01 1 1
4 05 36.0 84.  20.6 27.3 20.6  7
01 1 1
4 05 39.0 84.  20.6 27.3 20.6  7
01 1 1
4 05 42.0 84.  20.6 27.3 20.6  7
01 1 1
4 05 45.0 84.  20.6 27.3 20.6  7
01 1 1
4 05 48.0 84.  20.6 27.3 20.6  7
01 1 1
4 05 51.0 84.  20.6 27.3 20.6  7
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01 1 1
4 05 54.0 84.  20.6 27.3 20.6  7
01 1 1
4 05 57.0 84.  20.6 27.3 20.6  7
01 1 1
4 05 60.0 84.  20.6 27.3 20.6  7
01 1 1
4 05 63.0 84.  20.6 27.3 20.6  7
01 1 1
4 05 65.0 84.  20.6 27.3 20.6  7
01 1 1
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YEAR 2005 NLEVSTD.D

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1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  1994 LDGV
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    95
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    96
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    97
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    98
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    99
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  2000
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    01
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    02
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    03
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    04
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    05
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  1994 LDGT1
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    95
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    96
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    97
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    98
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    99
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  2000
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    01
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    02
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    03
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    04
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    05
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  1994 LDGT2
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    95
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    96
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    97
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    98
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    99
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  2000
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    01
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    02
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    03
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    04
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    05
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  1994 LDGT3
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    95
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    96
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    97
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    98
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    99
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  2000
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    01
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    02
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    03
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    04
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    05
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  1994 LDGT4
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    95
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    96
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    97
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    98
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    99
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  2000
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    01
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    02
```

```
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    03
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    04
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    05
```

YEAR 2005 PROFILE.MAS

```
&TWODIGIT
YES
&VFACTORS
YES
&NAME                 NAME OF STUDY
Miami
&MOBILE               DIRECTORY WHERE MOBILE PARAMETER FILES ARE STORED
c:\fsutms.v54\
&IMFAC                INSPECTION/MAINTENANCE CREDIT PERCENTAGE FOR EMIS
0.00000
&EMISFAC              FACTOR TO ADJUST MODEL VMT TO MATCH HPMS TARGET VALUE
0.95570
&FSUTMS               DIRECTORY WHERE SCRIPT FILES ARE LOCATED
..\SCRIPT
&AVEZONE              NUMBER OF ZONES TO AVERAGE TO COMPUTE IZ DISTANCE
1
&TRANZONE             TRANSIT ACCESS ANALYSIS ZONE
642
&ZONESI               INTERNAL ZONES
1500
&ZONESX              FIRST EXTERNAL ZONE
1501
&ZONESA               TOTAL ZONES
1521
&VALIDATE
NO
&ANALYSIS
YES
&GLSELECT
0
&GLTITLE
Miami-dade
&SZONE                STARTING ZONE FOR CARDINAL DISTRIBUTION
1
&FZONE                ENDING ZONE FOR CARDINAL DISTRIBUTION
1500
&DISTRICT             NUMBER OF PLANNING DISTRICS
96
&SUPERDIST            NUMBER OF SUPER DISTRICTS
26
&CBDZONE              THE CBD ZONES
642
&SELDEST              SELECTED DESTINATION ZONES
1-1500
&TERM10               TERMINAL TIME FOR AREA TYPE
5
&TERM11               TERMINAL TIME FOR AREA TYPE
5
&TERM12               TERMINAL TIME FOR AREA TYPE
5
&TERM13               TERMINAL TIME FOR AREA TYPE
3
&TERM14               TERMINAL TIME FOR AREA TYPE
5
&TERM15               TERMINAL TIME FOR AREA TYPE
5
&TERM16               TERMINAL TIME FOR AREA TYPE
```

```
5
&TERM17              TERMINAL TIME FOR AREA TYPE
5
&TERM18              TERMINAL TIME FOR AREA TYPE
5
&TERM19              TERMINAL TIME FOR AREA TYPE
5
&TERM20              TERMINAL TIME FOR AREA TYPE
3
&TERM21              TERMINAL TIME FOR AREA TYPE
4
&TERM22              TERMINAL TIME FOR AREA TYPE
3
&TERM23              TERMINAL TIME FOR AREA TYPE
3
&TERM24              TERMINAL TIME FOR AREA TYPE
3
&TERM25              TERMINAL TIME FOR AREA TYPE
3
&TERM26              TERMINAL TIME FOR AREA TYPE
3
&TERM27              TERMINAL TIME FOR AREA TYPE
3
&TERM28              TERMINAL TIME FOR AREA TYPE
3
&TERM29              TERMINAL TIME FOR AREA TYPE
3
&TERM30              TERMINAL TIME FOR AREA TYPE
1
&TERM31              TERMINAL TIME FOR AREA TYPE
3
&TERM32              TERMINAL TIME FOR AREA TYPE
1
&TERM33              TERMINAL TIME FOR AREA TYPE
1
&TERM34              TERMINAL TIME FOR AREA TYPE
1
&TERM35              TERMINAL TIME FOR AREA TYPE
1
&TERM36              TERMINAL TIME FOR AREA TYPE
1
&TERM37              TERMINAL TIME FOR AREA TYPE
1
&TERM38              TERMINAL TIME FOR AREA TYPE
1
&TERM39              TERMINAL TIME FOR AREA TYPE
1
&TERM40              TERMINAL TIME FOR AREA TYPE
2
&TERM41              TERMINAL TIME FOR AREA TYPE
2
&TERM42              TERMINAL TIME FOR AREA TYPE
3
&TERM43              TERMINAL TIME FOR AREA TYPE
2
&TERM44              TERMINAL TIME FOR AREA TYPE
2
```

```
&TERM45              TERMINAL TIME FOR AREA TYPE
2
&TERM46              TERMINAL TIME FOR AREA TYPE
2
&TERM47              TERMINAL TIME FOR AREA TYPE
2
&TERM48              TERMINAL TIME FOR AREA TYPE
2
&TERM49              TERMINAL TIME FOR AREA TYPE
2
&TERM50              TERMINAL TIME FOR AREA TYPE
1
&TERM51              TERMINAL TIME FOR AREA TYPE
1
&TERM52              TERMINAL TIME FOR AREA TYPE
1
&TERM53              TERMINAL TIME FOR AREA TYPE
1
&TERM54              TERMINAL TIME FOR AREA TYPE
1
&TERM55              TERMINAL TIME FOR AREA TYPE
1
&TERM56              TERMINAL TIME FOR AREA TYPE
1
&TERM57              TERMINAL TIME FOR AREA TYPE
1
&TERM58              TERMINAL TIME FOR AREA TYPE
1
&TERM59              TERMINAL TIME FOR AREA TYPE
1
&NODES               MAXIMUM NUMBER OF NODES IN HWY NET
15000
&UNITS               UNITS PER MILE
5280
&CONFAC              FOR CAPACITY CONSTRAINT
0.10
&CAPFAC              FOR PLOTTING LOS E
0.10
&ITER                MAXIMUM EQUILIBRIUM ITERATIONS
25
&UROADF              UROAD CAPACITY FACTOR
0.75
&DAMPING             DAMPING FACTOR USED TO MINIMIZE TIME MODULATIONS BETWEEN
ITERATION
0.5
&BPRMAX
4.0
&EPS
0.10
&CTOLL               COEFFICIENT OF TOLL FACTOR USED IN TOLL MODEL
0.08
&TOLLS1              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.10
&TOLLS2              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.15
```

```
&TOLLS3              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.20
&TOLLS4              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.25
&TOLLS5              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.30
&TOLLS6              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.35
&TOLLS7              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
1.00
&TOLLS8              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.001
&TOLLS9              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS10             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS11             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS12             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS13             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS14             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS15             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS16             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS17             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS18             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS19             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS20             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT1              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.10
```

```
&SERVT2              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.15
&SERVT3              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.20
&SERVT4              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.25
&SERVT5              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.30
&SERVT6              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.35
&SERVT7              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
1.00
&SERVT8              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.001
&SERVT9              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT10             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT11             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT12             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT13             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT14             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT15             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT16             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT17             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT18             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT19             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT20             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
```

```
&MAXTIM
70
&ATITER                 NUMBER OF GMODEL ITERATIONS
7
&AOFAC1                 AUTO OCC FOR HBW
0.7936
&AOFAC2                 AUTO OCC FOR HBSH
0.5747
&AOFAC3                 AUTO OCC FOR HBSR
0.5747
&AOFAC4                 AUTO OCC FOR HBO
0.5747
&AOFAC5                 AUTO OCC FOR NHB
0.5917
&UNCONNECT              MAXIMUM TRANSIT TIME
255
&NUMFARE                MAXIMUM NUMBER OF FARE CATEGORES
8
&HOV                    SWITCH FOR HOV TYPE
TYPE1
&HOV1
HOV LINKS, LINK GROUP 2 = 80-89
&HOV2                   IDENTIFIES WHICH HTTAB TRIPS SHOULD BE ASSIGNED
SELECTED PURPOSES = 1-2
&HOV3                   FOR PLOTTING AND REPORTING, ADD LOV AND HOV TRIPS TOGETHER
ADD PURPOSES = 1-2
&PERIOD
24
&PLOTTER
HP7586
&PLOTPENS
8
&PLOTSIZE
30
&PAPER
NORMALD
&PLOTFAC
600
&DATA
DATA
&PLOTWIN
PLOTXY.STD
&PLOTWINA
PLOTXYA.STD
&PLOTWINB
PLOTXYB.STD
&PLOTWINC
PLOTXYC.STD
&PLOTWIND
PLOTXYD.STD
&PLOTWINE
PLOTXYE.STD
&PLOTWINF
PLOTXYF.STD
&PLOTWING
PLOTXYG.STD
&PLOTWINH
```

```
PLOTXYH.STD
&CHARHT
0.05
&NAMEB
SOUTH DADE (B)
&NAMEM
MIC/INTERCON (M)
&NAMEP
NORTH/BEACH CORR  (P)
&NAMEQ
EAST/WEST CORRIDOR(Q)
&NAMER
DOWNTOWN MIAMI    (R)
&NAMES
KENDALL/SOUTH CORR(S)
&NAMET
WEST CENTRAL AREA (T)
&NAMEU
NW/PALMETTO CORR  (U)
&NAMEV
I95/NORTH CORRIDOR(V)
&NAMEZ
SUNPIKE/27TH AVE  (Z)
&NAME1
SW (1)
&NAME2
NW (2)
&NAME3
NE (3)
&NAME4
SE (4)
&MAXUTIL
0.75
&QUEMAX
100
&QUELIM
4.9
&NUMFARE
9
&TOLLFM
TOLL FACILITIES MODEL
&MULTSQ
MULTIPLE SERVER QUEUES
&ACCUQT              FLAG FOR USING TOLL FACILTIES MODEL
~ ACCUMULATE QUEUEING TIME
&GMTIME
TIME2
&CITYCODE
MIA
&TITLE
1999 MTPM
&MAXD                Maximum sidewalk area around stations
0.4
&TERM                Auto access terminal time (home end)
2.0
&DEF                 Default auto access time
2.0
```

```
&NOPT                 Usage check on second auto connector
1
&BACK                 Backtrack flag for auto connector
1
&AOC                  Auto operating costs
9.5
&OC3                  Average 3+ auto occupancy
3.20  3.20  3.20  3.20  3.20
&OCTA                 Average park/ride auto occupancy
1.2  1.2  1.2
&TASPD                Average auto access speed
26.0  26.0
&MINRUN1              Minimum walk-to-local run time
3.0
&MINRUN2              Minimum walk-to-premium run time
3.0
&MINRUN3              Minimum auto-to-local run time
30.0
&MINRUN4              Minimum auto-to-premium run time
6.0
&INFL1                Transit fare inflation
1.0
&INFL2                Auto operating cost inflation
1.0
&INFL3                Parking cost inflation
1.0
&MSMIN                Minimum mode split
0.01  0.01  0.01
&HOVUSE               HOV usage flag
2
&HOVMIN               HOV minimum time
3.0
&RAILAC               Station walk access impedance flag
0
&VAL                  Validation summary flag
0
&KRFAC                Kiss/ride additional impedance factor
1.50
&JITNEY               Jitney flag (0=none, 1=base, 2=alt)
1
&VERS                 Model Version (1=standard FSUTMS, 2=Orlando 10 purposes)
1
&DEFMS                Default Regional Mode Splits
0.07770  0.02970  0.02970
&DEFUPD               Update Zonal Default Mode Splits (1=yes, 2=no)
1
&MAXTIM
70
&TRIZONE              TRI RAIL EXTERNAL ZONE
1467
&MAXTIME
120
&ROTANG
270
&PORTRAIT
0
&LANDSCAPE
```

```
0
&ROTANGW

&PLT
plt
&ASCII
YES
&DATABASE             Optional entry to enable database capability
NO
&DBCOUT               When activated, writes database files for TASSIGN
 DBC OUTPUT, INET
&MINUROADFAC          Specifies minimum UROAD factor allowed   (Optional)
0.50
&MAXUROADFAC          Specifies maximum UROAD factor allowed
1.00
&MINCONFAC            Specifies minimum CONFAC factor allowed
0.04
&MAXCONFAC            Specifies maximum CONFAC factor allowed
1.00
&MINBPRCOEFF          Specifies minimum BPR coefficient allowed
0.0
&MAXBPRCOEFF          Specifies maximum BPR coefficient allowed
1.00
&MINBPREXP            Specifies minimum BPR exponent allowed
1.00
&MAXBPREXP            Specifies maximum BPR exponent allowed
10.00
&EMISTABLES           Tables on HTTAB file for intrazonal emissions (default =
1)
1
&ASCII                Outputs file HRLDXY.ASC (similar to NETCARD output)
YES
&VFACTORS             Required entry.  YES must start in column one
YES
&DATABASE             Optional entry to enable database capability
NO
&DBCOUT               When activated, writes database files for TASSIGN
~ DBC OUTPUT, INET
&MINUROADFAC          Specifies minimum UROAD factor allowed   (Optional)
0.50
&MAXUROADFAC          Specifies maximum UROAD factor allowed
1.00
&MINCONFAC            Specifies minimum CONFAC factor allowed
0.04
&MAXCONFAC            Specifies maximum CONFAC factor allowed
1.00
&MINBPRCOEFF          Specifies minimum BPR coefficient allowed
0.0
&MAXBPRCOEFF          Specifies maximum BPR coefficient allowed
1.00
&MINBPREXP            Specifies minimum BPR exponent allowed
1.00
&MAXBPREXP            Specifies maximum BPR exponent allowed
10.00
&EMISTABLES           Tables on HTTAB file for intrazonal emissions (default =
1)
1
```

```
&ASCII                 Outputs file HRLDXY.ASC (similar to NETCARD output)
YES
&MODELCAP
~ MODEL CAPACITY
&COLORS
1,2,3,4,5,6,7,8
&ACTC                REPORT TRANSIT TRIPS=0 for CENTERS, 1 FOR TAZs
1
&KTHROW              ACTIVITY CENTER TEMP FILES, 1=KEEP, 0=DELETE
1
&STDZ2               STANDARD FSUTMSZ2, 1=TRUE, 0=RTA
1
&SELZONE             SELECTED TAZ
1506
&DTBZERO
7000
```

Appendix G

Year 2010 EMIS.OUT and Supporting FSUTMS Reports/Files

YEAR 2010 Emissions Results

YEAR 2010 EMIS.OUT

```
1MOBILE5a FDOT: MIAMI 2010 WITH FSUTMS.V54 (Includes NLEV Starting in 2001)
 MOBILE5a (26-Mar-93)
0
-M153 Error:
 Warning: Refueling emissions in grams-per-gallon are only available using the
120 column descriptive output option (OUTFMT = 3 or 5). See MOBILE5 Users
 Guide chapters 2.1.15, 2.1.19 and 2.1.20 for more information.
0              Emission Factor Modification Profile
+              ____________________________________
0Equation  Reg  Veh  Pol  First MY  Last MY    Base     DR           Altered
+________  ___  ___  ___  ________  _______    ____    ____          _______
     1      1    7    3     1990     1990     11.65     .00            Yes
     2      1    7    3     1991     1997      9.37     .00            Yes
     3      1    7    3     1998     2003      7.49     .00            Yes
     4      1    7    3     2004     2010      3.75     .00            Yes
0MIAMI         FL
                     Minimum Temp: 69. (F)   Maximum Temp: 91. (F)
                     Period 1 RVP:  9.2      Period 2 RVP:  7.8 Period 2 Yr:
1992
0VOC HC emission factors include evaporative HC emission factors.
0_____________________________________________________________________________
_
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2010           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.:  3.0    3.0    3.0           3.0    3.0    3.0    3.0    3.0
   VMT Mix:   .589   .201   .088          .032   .002   .003   .080   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  8.29   9.85  14.36  11.22  13.81   1.07   1.46   4.44  11.68   8.99
 Exhst  HC:  4.81   6.11   9.32   7.09   6.76   1.07   1.46   4.44   8.64   5.50
 Evap.  HC:   .15    .18    .19    .18    .93                         2.63    .19
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:  3.30   3.53   4.82   3.92   6.07                                3.28
 Rsting HC:   .02    .03    .03    .03    .04                           .41    .03
 Exhst  CO: 66.63  72.52 108.33  83.43  72.14   4.35   4.83  34.26 155.56  69.23
 Exhst NOX:  1.67   1.99   2.98   2.29   3.57   1.82   2.07   9.82    .85   2.56

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2010           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
```

```
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.:  6.0    6.0    6.0           6.0    6.0    6.0    6.0    6.0
   VMT Mix:   .589   .201   .088          .032   .002   .003   .080   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  3.79   4.54   6.66   5.19   7.77    .92   1.26   3.81   8.17   4.33
 Exhst  HC:  2.71   3.39   5.18   3.94   5.17    .92   1.26   3.81   5.13   3.24
 Evap.  HC:   .15    .18    .19    .18    .93                         2.63    .19
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .91    .95   1.27   1.04   1.62                                 .89
 Rsting HC:   .02    .03    .03    .03    .04                          .41    .03
 Exhst  CO: 37.95  41.90  62.46  48.17  55.39   3.42   3.80  26.97  84.55  40.65
 Exhst NOX:  1.38   1.65   2.46   1.90   3.68   1.61   1.82   8.66    .75   2.18

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2010           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.:  9.0    9.0    9.0           9.0    9.0    9.0    9.0    9.0
   VMT Mix:   .589   .201   .088          .032   .002   .003   .080   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  2.73   3.25   4.75   3.70   5.94    .79   1.09   3.29   6.60   3.17
 Exhst  HC:  2.01   2.49   3.79   2.89   4.01    .79   1.09   3.29   3.56   2.43
 Evap.  HC:   .15    .18    .19    .18    .93                         2.63    .19
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .54    .56    .74    .61    .95                                 .53
 Rsting HC:   .02    .03    .03    .03    .04                          .41    .03
 Exhst  CO: 28.39  31.70  47.17  36.41  43.37   2.74   3.04  21.57  54.67  30.65
 Exhst NOX:  1.29   1.53   2.29   1.76   3.79   1.44   1.63   7.75    .71   2.02

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2010           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 12.0   12.0   12.0          12.0   12.0   12.0   12.0   12.0
```

```
   VMT Mix:   .589   .201   .088          .032   .002   .003   .080   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  2.25   2.66   3.87   3.03   4.86    .69    .95   2.87   5.80   2.62
 Exhst  HC:  1.67   2.03   3.10   2.36   3.16    .69    .95   2.87   2.76   2.01
 Evap.  HC:   .15    .18    .19    .18    .93                         2.63    .19
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .41    .42    .56    .46    .72                                 .40
 Rsting HC:   .02    .03    .03    .03    .04                           .41    .03
 Exhst  CO: 23.61  26.59  39.53  30.53  34.64   2.23   2.47  17.55  39.92  25.46
 Exhst NOX:  1.24   1.48   2.21   1.70   3.90   1.30   1.48   7.01    .70   1.92

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2010           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 15.0   15.0   15.0          15.0   15.0   15.0   15.0   15.0
   VMT Mix:   .589   .201   .088          .032   .002   .003   .080   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.96   2.30   3.34   2.62   4.08    .61    .83   2.52   5.34   2.27
 Exhst  HC:  1.46   1.76   2.69   2.04   2.53    .61    .83   2.52   2.30   1.75
 Evap.  HC:   .15    .18    .19    .18    .93                         2.63    .19
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .33    .33    .44    .36    .57                                 .32
 Rsting HC:   .02    .03    .03    .03    .04                           .41    .03
 Exhst  CO: 20.74  23.53  34.94  27.01  28.23   1.84   2.04  14.51  31.62  22.26
 Exhst NOX:  1.21   1.44   2.16   1.66   4.01   1.19   1.35   6.43    .72   1.84

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2010           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 18.0   18.0   18.0          18.0   18.0   18.0   18.0   18.0
   VMT Mix:   .589   .201   .088          .032   .002   .003   .080   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.75   2.05   2.98   2.33   3.49    .54    .74   2.23   5.05   2.03
 Exhst  HC:  1.32   1.58   2.41   1.83   2.05    .54    .74   2.23   2.01   1.56
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 Evap.  HC:   .15    .18    .19    .18    .93                        2.63    .19
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .26    .26    .35    .29    .46                                .25
 Rsting HC:   .02    .03    .03    .03    .04                          .41    .03
 Exhst  CO: 18.83  21.49  31.88  24.66  23.46   1.55   1.72  12.19  26.36  20.09
 Exhst NOX:  1.19   1.42   2.12   1.63   4.12   1.11   1.26   5.98    .76   1.79

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2010           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 21.0   21.0   21.0          21.0   21.0   21.0   21.0   21.0
   VMT Mix:   .589   .201   .088          .032   .002   .003   .080   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.56   1.84   2.67   2.09   3.06    .48    .66   1.99   4.84   1.81
 Exhst  HC:  1.17   1.41   2.16   1.64   1.69    .48    .66   1.99   1.81   1.39
 Evap.  HC:   .15    .18    .19    .18    .93                        2.63    .19
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .22    .22    .30    .24    .39                                .21
 Rsting HC:   .02    .03    .03    .03    .04                          .41    .03
 Exhst  CO: 16.57  19.11  28.36  21.93  19.88   1.32   1.47  10.41  22.64  17.69
 Exhst NOX:  1.19   1.41   2.10   1.62   4.23   1.04   1.18   5.62    .80   1.77

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2010           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 24.0   24.0   24.0          24.0   24.0   24.0   24.0   24.0
   VMT Mix:   .589   .201   .088          .032   .002   .003   .080   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.40   1.66   2.40   1.89   2.73    .43    .59   1.79   4.69   1.63
 Exhst  HC:  1.03   1.26   1.93   1.46   1.41    .43    .59   1.79   1.65   1.23
 Evap.  HC:   .15    .18    .19    .18    .93                        2.63    .19
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .19    .19    .26    .21    .34                                .19
 Rsting HC:   .02    .03    .03    .03    .04                          .41    .03
 Exhst  CO: 14.09  16.48  24.48  18.92  17.19   1.15   1.27   9.04  19.78  15.15
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 Exhst NOX:  1.21   1.41   2.11   1.62   4.34   1.00   1.13   5.36    .85   1.76

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2010           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 27.0   27.0   27.0          27.0   27.0   27.0   27.0   27.0
   VMT Mix:   .589   .201   .088          .032   .002   .003   .080   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.27   1.52   2.19   1.73   2.48    .39    .54   1.63   4.55   1.48
 Exhst  HC:   .92   1.15   1.75   1.33   1.20    .39    .54   1.63   1.52   1.11
 Evap.  HC:   .15    .18    .19    .18    .93                         2.63    .19
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .17    .17    .23    .19    .30                                 .16
 Rsting HC:   .02    .03    .03    .03    .04                          .41    .03
 Exhst  CO: 12.16  14.43  21.46  16.57  15.16   1.01   1.13   7.98  17.43  13.17
 Exhst NOX:  1.23   1.41   2.12   1.63   4.45    .96   1.09   5.17    .90   1.76

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2010           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 30.0   30.0   30.0          30.0   30.0   30.0   30.0   30.0
   VMT Mix:   .589   .201   .088          .032   .002   .003   .080   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.16   1.41   2.03   1.60   2.28    .36    .49   1.49   4.44   1.36
 Exhst  HC:   .84   1.05   1.60   1.22   1.03    .36    .49   1.49   1.40   1.01
 Evap.  HC:   .15    .18    .19    .18    .93                         2.63    .19
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .15    .15    .21    .17    .27                                 .15
 Rsting HC:   .02    .03    .03    .03    .04                          .41    .03
 Exhst  CO: 10.62  12.79  19.04  14.70  13.64    .91   1.01   7.16  15.47  11.59
 Exhst NOX:  1.24   1.42   2.12   1.63   4.57    .94   1.06   5.06    .94   1.76

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
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0User supplied  basic exhaust emissions rates.
0Cal. Year: 2010           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 33.0   33.0   33.0          33.0   33.0   33.0   33.0   33.0
   VMT Mix:   .589   .201   .088          .032   .002   .003   .080   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.08   1.32   1.89   1.49   2.13    .33    .45   1.37   4.34   1.27
 Exhst  HC:   .77    .97   1.49   1.13    .90    .33    .45   1.37   1.30    .93
 Evap.  HC:   .15    .18    .19    .18    .93                         2.63    .19
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .14    .14    .19    .15    .25                                .13
 Rsting HC:   .02    .03    .03    .03    .04                           .41    .03
 Exhst  CO:  9.35  11.45  17.07  13.16  12.51    .83    .92   6.53  13.82  10.31
 Exhst NOX:  1.25   1.42   2.13   1.64   4.68    .93   1.05   5.01    .98   1.77

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2010           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 36.0   36.0   36.0          36.0   36.0   36.0   36.0   36.0
   VMT Mix:   .589   .201   .088          .032   .002   .003   .080   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.01   1.24   1.78   1.41   2.00    .31    .42   1.27   4.26   1.19
 Exhst  HC:   .71    .91   1.39   1.06    .80    .31    .42   1.27   1.22    .86
 Evap.  HC:   .15    .18    .19    .18    .93                         2.63    .19
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .12    .13    .17    .14    .22                                .12
 Rsting HC:   .02    .03    .03    .03    .04                           .41    .03
 Exhst  CO:  8.30  10.34  15.42  11.89  11.71    .77    .85   6.06  12.46   9.25
 Exhst NOX:  1.26   1.42   2.13   1.64   4.79    .93   1.06   5.02   1.01   1.78

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2010           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
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```
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 39.0   39.0   39.0          39.0   39.0   39.0   39.0   39.0
   VMT Mix:   .589   .201   .088          .032   .002   .003   .080   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .94   1.18   1.68   1.33   1.90    .29    .39   1.19   4.19   1.12
 Exhst  HC:   .66    .86   1.31    .99    .72    .29    .39   1.19   1.16    .80
 Evap.  HC:   .15    .18    .19    .18    .93                         2.63    .19
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .11    .12    .16    .13    .20                                 .11
 Rsting HC:   .02    .03    .03    .03    .04                           .41    .03
 Exhst  CO:  7.41   9.39  14.03  10.80  11.18    .72    .80   5.71  11.39   8.37
 Exhst NOX:  1.26   1.42   2.13   1.64   4.90    .95   1.07   5.10   1.03   1.79

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2010           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                 Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 42.0   42.0   42.0          42.0   42.0   42.0   42.0   42.0
   VMT Mix:   .589   .201   .088          .032   .002   .003   .080   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .89   1.12   1.60   1.27   1.82    .27    .37   1.12   4.14   1.06
 Exhst  HC:   .61    .81   1.23    .94    .66    .27    .37   1.12   1.11    .75
 Evap.  HC:   .15    .18    .19    .18    .93                         2.63    .19
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .10    .11    .15    .12    .19                                 .10
 Rsting HC:   .02    .03    .03    .03    .04                           .41    .03
 Exhst  CO:  6.65   8.58  12.83   9.88  10.88    .69    .77   5.47  10.57   7.61
 Exhst NOX:  1.27   1.43   2.14   1.64   5.01    .98   1.11   5.25   1.05   1.81

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2010           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                 Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
```

```
 Veh. Spd.: 45.0   45.0   45.0          45.0   45.0   45.0   45.0   45.0
   VMT Mix:   .589   .201   .088          .032   .002   .003   .080   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .84   1.07   1.52   1.21   1.76    .26    .35   1.07   4.11   1.01
 Exhst  HC:   .58    .77   1.17    .89    .61    .26    .35   1.07   1.07    .71
 Evap.  HC:   .15    .18    .19    .18    .93                         2.63    .19
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .09    .10    .13    .11    .17                                 .09
 Rsting HC:   .02    .03    .03    .03    .04                           .41    .03
 Exhst  CO:  5.99   7.88  11.80   9.07  10.81    .68    .75   5.33   9.96   6.98
 Exhst NOX:  1.28   1.43   2.14   1.64   5.12   1.02   1.15   5.47   1.07   1.84

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2010           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 48.0   48.0   48.0          48.0   48.0   48.0   48.0   48.0
   VMT Mix:   .589   .201   .088          .032   .002   .003   .080   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .80   1.03   1.46   1.16   1.71    .25    .34   1.02   4.09    .97
 Exhst  HC:   .54    .73   1.12    .85    .58    .25    .34   1.02   1.05    .67
 Evap.  HC:   .15    .18    .19    .18    .93                         2.63    .19
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .08    .09    .12    .10    .15                                 .08
 Rsting HC:   .02    .03    .03    .03    .04                           .41    .03
 Exhst  CO:  5.41   7.27  10.89   8.37  10.95    .67    .74   5.27   9.50   6.43
 Exhst NOX:  1.28   1.43   2.14   1.65   5.23   1.07   1.22   5.77   1.09   1.87

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2010           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 51.0   51.0   51.0          51.0   51.0   51.0   51.0   51.0
   VMT Mix:   .589   .201   .088          .032   .002   .003   .080   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .79   1.02   1.45   1.15   1.67    .24    .33    .99   4.09    .95
```

```
 Exhst  HC:   .54    .73   1.12    .85    .55    .24    .33    .99   1.05    .67
 Evap.  HC:   .15    .18    .19    .18    .93                         2.63    .19
 Refuel HC:   .00    .00    .00    .00    .00                                    .00
 Runing HC:   .07    .08    .11    .09    .14                                    .07
 Rsting HC:   .02    .03    .03    .03    .04                             .41    .03
 Exhst  CO:  5.41   7.27  10.89   8.37  11.31    .67    .75   5.31   9.50   6.44
 Exhst NOX:  1.39   1.59   2.38   1.83   5.34   1.15   1.30   6.17   1.20   2.02

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2010           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 54.0   54.0   54.0          54.0   54.0   54.0   54.0   54.0
   VMT Mix:   .589   .201   .088          .032   .002   .003   .080   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .79   1.01   1.43   1.14   1.64    .23    .32    .96   4.09    .94
 Exhst  HC:   .54    .73   1.12    .85    .54    .23    .32    .96   1.05    .67
 Evap.  HC:   .15    .18    .19    .18    .93                         2.63    .19
 Refuel HC:   .00    .00    .00    .00    .00                                    .00
 Runing HC:   .07    .07    .10    .08    .12                                    .07
 Rsting HC:   .02    .03    .03    .03    .04                             .41    .03
 Exhst  CO:  5.41   7.27  10.89   8.37  11.92    .69    .76   5.43   9.50   6.47
 Exhst NOX:  1.50   1.75   2.62   2.01   5.45   1.24   1.41   6.69   1.30   2.19

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2010           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 57.0   57.0   57.0          57.0   57.0   57.0   57.0   57.0
   VMT Mix:   .589   .201   .088          .032   .002   .003   .080   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .82   1.05   1.49   1.18   1.62    .23    .31    .95   4.24    .97
 Exhst  HC:   .58    .78   1.18    .90    .53    .23    .31    .95   1.20    .70
 Evap.  HC:   .15    .18    .19    .18    .93                         2.63    .19
 Refuel HC:   .00    .00    .00    .00    .00                                    .00
 Runing HC:   .06    .06    .09    .07    .11                                    .06
 Rsting HC:   .02    .03    .03    .03    .04                             .41    .03
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 Exhst  CO:  6.41   8.50  12.77   9.80  12.82    .72    .80   5.64  14.07   7.54
 Exhst NOX:  1.61   1.91   2.86   2.20   5.56   1.36   1.54   7.33   1.41   2.36

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2010           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 60.0   60.0   60.0          60.0   60.0   60.0   60.0   60.0
   VMT Mix:   .589   .201   .088          .032   .002   .003   .080   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .87   1.10   1.58   1.25   1.61    .23    .31    .94   4.47   1.02
 Exhst  HC:   .64    .84   1.28    .97    .53    .23    .31    .94   1.43    .76
 Evap.  HC:   .15    .18    .19    .18    .93                         2.63    .19
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .05    .06    .08    .07    .10                                 .05
 Rsting HC:   .02    .03    .03    .03    .04                          .41    .03
 Exhst  CO:  7.90  10.34  15.59  11.94  14.05    .76    .84   5.96  20.93   9.14
 Exhst NOX:  1.72   2.07   3.10   2.38   5.67   1.51   1.72   8.15   1.52   2.55

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2010           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 63.0   63.0   63.0          63.0   63.0   63.0   63.0   63.0
   VMT Mix:   .589   .201   .088          .032   .002   .003   .080   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .93   1.16   1.67   1.31   1.61    .22    .31    .93   4.69   1.08
 Exhst  HC:   .70    .90   1.38   1.05    .54    .22    .31    .93   1.66    .82
 Evap.  HC:   .15    .18    .19    .18    .93                         2.63    .19
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .05    .05    .07    .06    .09                                 .05
 Rsting HC:   .02    .03    .03    .03    .04                          .41    .03
 Exhst  CO:  9.40  12.19  18.41  14.08  15.72    .81    .90   6.41  27.79  10.77
 Exhst NOX:  1.83   2.23   3.34   2.57   5.78   1.70   1.93   9.17   1.62   2.76

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
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 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2010           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 65.0   65.0   65.0          65.0   65.0   65.0   65.0   65.0
   VMT Mix:   .589   .201   .088          .032   .002   .003   .080   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .96   1.20   1.73   1.36   1.61    .23    .31    .94   4.84   1.11
 Exhst  HC:   .74    .94   1.44   1.10    .55    .23    .31    .94   1.81    .86
 Evap.  HC:   .15    .18    .19    .18    .93                         2.63    .19
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .05    .05    .07    .06    .09                                 .05
 Rsting HC:   .02    .03    .03    .03    .04                          .41    .03
 Exhst  CO: 10.40  13.42  20.29  15.51  17.12    .86    .96   6.78  32.36  11.87
 Exhst NOX:  1.91   2.33   3.50   2.69   5.86   1.86   2.10   9.99   1.69   2.90
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 FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 08:50:36  28OCT01

 INPUT CARD ECHO

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

SCENARIO  1        MOBILE.TEM
THE FOLLOWING IS A MATRIX WHICH ASSIGNS A SCENARIO TO EACH FT/AT COMBINATION
AT=>     1     2     3     4     5
_____________________________________
FT |
 1 |     1     1     1     1     1
 2 |     1     1     1     1     1
 3 |     1     1     1     1     1
 4 |     1     1     1     1     1
 5 |     1     1     1     1     1
 6 |     1     1     1     1     1
 7 |     1     1     1     1     1
 8 |     1     1     1     1     1
 9 |     1     1     1     1     1

INPUT COORDINATE SCALE(UNITS) FROM PROFILE.MAS IS   5280
 ***INFO*** ALL REPORT VALUES ARE BEING ADJUSTED BY A FACTOR 0F 0.9557
```

FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
- RUN TIME: 08:50:36 28OCT01

EMISSIONS IN GRAMS PER DAY

INFO all reported values have been adjusted by EMISFAC = 0.9557

- -

GEOGRAPHIC LOCATION NO 1

INFO all reported values have been adjusted by EMISFAC = 0.9557

FT	AT	TOTAL VOC	EXHAUST HC	EVAPORATE HC	REFUELING HC	RUN LOSS HC	EXHAUST CO	EXHAUST NOx
1	1	430767.	312597.	67497.	0.	43716.	3399563.	631818.
1	2	102691.	74522.	15948.	0.	10517.	817529.	149989.
1	3	7279660.	5322203.	1042397.	0.	812308.	59629236.	9909434.
1	4	6044524.	4482289.	790916.	0.	690329.	52077708.	7478057.
1	5	241825.	173808.	40483.	0.	22941.	1832374.	390143.
2	1	424694.	325994.	34327.	0.	60902.	4134000.	337011.
2	2	16234.	12134.	2109.	0.	1779.	143687.	19609.
2	3	15407551.	11643356.	1698151.	0.	1898575.	142535776.	15968994.
2	4	15968380.	12117117.	1556506.	0.	2138030.	150993792.	14827199.
2	5	495961.	353762.	91058.	0.	42220.	3583352.	947032.
3	1	322062.	238136.	24909.	0.	56167.	3032459.	242846.
3	2	4249.	3242.	465.	0.	494.	40761.	4318.
3	3	4621349.	3503866.	487667.	0.	580576.	43414048.	4591493.
3	4	2765062.	2079832.	258370.	0.	399489.	26022566.	2468387.
3	5	500923.	357814.	85649.	0.	48256.	3723761.	812882.
4	1	132340.	101727.	11136.	0.	18240.	1298388.	107755.
4	2	20797.	15991.	1792.	0.	2835.	203777.	17276.
4	3	5756027.	4352459.	621994.	0.	720101.	53573372.	5846882.
4	4	2070135.	1564495.	207994.	0.	277444.	19384624.	1973483.
4	5	634895.	448985.	97064.	0.	78788.	4822048.	923340.
5	1	126061.	96628.	7622.	0.	21009.	1219007.	80826.
5	2	8476.	6505.	634.	0.	1272.	82458.	6359.
5	3	3694259.	2838180.	331445.	0.	495046.	36015176.	3195821.
5	4	2193077.	1689869.	185649.	0.	306446.	21493584.	1796337.
5	5	318591.	241912.	42784.	0.	30219.	3058450.	487153.
6	1	440434.	337295.	34285.	0.	65493.	4289069.	338008.
6	2	14615.	11098.	1401.	0.	1965.	137454.	13471.
6	3	439794.	334737.	44528.	0.	55753.	4174905.	421789.
6	4	926084.	697880.	81301.	0.	138895.	8782431.	783370.
7	1	192138.	144378.	13201.	0.	33268.	1829309.	133610.
7	2	58948.	45239.	5341.	0.	7777.	575068.	51072.
7	3	1502273.	1127932.	127165.	0.	234994.	14038752.	1242716.
7	4	1218704.	920226.	107472.	0.	180320.	11427824.	1047236.
7	5	36684.	27229.	4682.	0.	4332.	316944.	44595.
8	3	645824.	474132.	94053.	0.	67739.	5338886.	926246.
8	4	39193.	29358.	4826.	0.	4344.	353832.	46252.
9	3	3125805.	2206986.	523362.	0.	335355.	23239270.	5358980.
9	4	107668.	77699.	19598.	0.	8861.	808261.	216939.
9	5	548585.	402499.	104044.	0.	31139.	4597129.	1335253.

GL TOTAL	78877152.	59194152.	8869832.	0.	9927861.	716438656.	85173656.
(TONS)	86.87	65.19	9.77	0.00	10.93	789.03	93.80

FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
- RUN TIME: 08:50:36 28OCT01

EMISSIONS IN GRAMS PER DAY

INFO all reported values have been adjusted by EMISFAC = 0.9557

- -

ALL GEOGRAPHIC LOCATIONS

FT	AT	TOTAL VOC	EXHAUST HC	EVAPORATE HC	REFUELING HC	RUN LOSS HC	EXHAUST CO	EXHAUST NOx
1	1	430767.	312597.	67497.	0.	43716.	3399563.	631818.
1	2	102691.	74522.	15948.	0.	10517.	817529.	149989.
1	3	7279660.	5322203.	1042397.	0.	812308.	59629236.	9909434.
1	4	6044524.	4482289.	790916.	0.	690329.	52077708.	7478057.
1	5	241825.	173808.	40483.	0.	22941.	1832374.	390143.
2	1	424694.	325994.	34327.	0.	60902.	4134000.	337011.
2	2	16234.	12134.	2109.	0.	1779.	143687.	19609.
2	3	15407551.	11643356.	1698151.	0.	1898575.	142535776.	15968994.
2	4	15968380.	12117117.	1556506.	0.	2138030.	150993792.	14827199.
2	5	495961.	353762.	91058.	0.	42220.	3583352.	947032.
3	1	322062.	238136.	24909.	0.	56167.	3032459.	242846.
3	2	4249.	3242.	465.	0.	494.	40761.	4318.
3	3	4621349.	3503866.	487667.	0.	580576.	43414048.	4591493.
3	4	2765062.	2079832.	258370.	0.	399489.	26022566.	2468387.
3	5	500923.	357814.	85649.	0.	48256.	3723761.	812882.
4	1	132340.	101727.	11136.	0.	18240.	1298388.	107755.
4	2	20797.	15991.	1792.	0.	2835.	203777.	17276.
4	3	5756027.	4352459.	621994.	0.	720101.	53573372.	5846882.
4	4	2070135.	1564495.	207994.	0.	277444.	19384624.	1973483.
4	5	634895.	448985.	97064.	0.	78788.	4822048.	923340.
5	1	126061.	96628.	7622.	0.	21009.	1219007.	80826.
5	2	8476.	6505.	634.	0.	1272.	82458.	6359.
5	3	3694259.	2838180.	331445.	0.	495046.	36015176.	3195821.
5	4	2193077.	1689869.	185649.	0.	306446.	21493584.	1796337.
5	5	318591.	241912.	42784.	0.	30219.	3058450.	487153.
6	1	440434.	337295.	34285.	0.	65493.	4289069.	338008.
6	2	14615.	11098.	1401.	0.	1965.	137454.	13471.
6	3	439794.	334737.	44528.	0.	55753.	4174905.	421789.
6	4	926084.	697880.	81301.	0.	138895.	8782431.	783370.
7	1	192138.	144378.	13201.	0.	33268.	1829309.	133610.
7	2	58948.	45239.	5341.	0.	7777.	575068.	51072.
7	3	1502273.	1127932.	127165.	0.	234994.	14038752.	1242716.
7	4	1218704.	920226.	107472.	0.	180320.	11427824.	1047236.
7	5	36684.	27229.	4682.	0.	4332.	316944.	44595.
8	3	645824.	474132.	94053.	0.	67739.	5338886.	926246.
8	4	39193.	29358.	4826.	0.	4344.	353832.	46252.
9	3	3125805.	2206986.	523362.	0.	335355.	23239270.	5358980.
9	4	107668.	77699.	19598.	0.	8861.	808261.	216939.
9	5	548585.	402499.	104044.	0.	31139.	4597129.	1335253.
SUM		78877152.	59194152.	8869832.	0.	9927861.	716438656.	85173656.
(TONS)		86.87	65.19	9.77	0.00	10.93	789.03	93.80

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 FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 08:50:36  28OCT01

 EMISSIONS IN GRAMS PER DAY

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557
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FACILITY TYPE	TOTAL VOC	EXHAUST HC	EVAPORATE HC	REFUELING HC	RUN LOSS HC	EXHAUST CO	EXHAUST NOx
1	14099474.	10365420.	1957241.	0.	1579812.	117756464.	18559428.
2	32312794.	24452362.	3382154.	0.	4141501.	301390784.	32099808.
3	8213636.	6182886.	857061.	0.	1084983.	76233640.	8119929.
4	8614185.	6483662.	939980.	0.	1097408.	79282248.	8868729.
5	6340476.	4873097.	568136.	0.	853995.	61868684.	5566509.
6	1820926.	1381009.	161515.	0.	262107.	17383866.	1556639.
7	3008748.	2265004.	257862.	0.	460691.	28187884.	2519229.
8	685017.	503490.	98879.	0.	72084.	5692721.	972499.
9	3782057.	2687184.	647005.	0.	375355.	28644678.	6911170.
SUM	78877152.	59194152.	8869832.	0.	9927861.	716438656.	85173656.
(TONS)	86.87	65.19	9.77	0.00	10.93	789.03	93.80

AREA TYPE	TOTAL VOC	EXHAUST HC	EVAPORATE HC	REFUELING HC	RUN LOSS HC	EXHAUST CO	EXHAUST NOx
1	2068494.	1556755.	192978.	0.	298795.	19201800.	1871876.
2	226010.	168731.	27689.	0.	26639.	2000733.	262094.
3	42472528.	31803908.	4970765.	0.	5200443.	381960032.	47462244.
4	31332750.	23658798.	3212633.	0.	4144159.	291344608.	30637220.
5	2777464.	2006010.	465765.	0.	257896.	21934058.	4940396.
SUM	78877152.	59194152.	8869832.	0.	9927861.	716438656.	85173656.
(TONS)	86.87	65.19	9.77	0.00	10.93	789.03	93.80

NUMBER LANES	TOTAL VOC	EXHAUST HC	EVAPORATE HC	REFUELING HC	RUN LOSS HC	EXHAUST CO	EXHAUST NOx
1	20164568.	15229507.	1963524.	0.	2784236.	188971072.	18903204.
2	25943144.	19573860.	2827940.	0.	3259680.	239983856.	27105138.
3	23672298.	17736830.	2748548.	0.	2904564.	212933104.	26551688.
4	5075691.	3713119.	724757.	0.	564682.	41748356.	6881195.
5	3779051.	2767776.	563348.	0.	391387.	31007762.	5337339.
6	242556.	173053.	41716.	0.	23395.	1796477.	395381.
SUM	78877152.	59194152.	8869832.	0.	9927861.	716438656.	85173656.
(TONS)	86.87	65.19	9.77	0.00	10.93	789.03	93.80

```
 FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 08:50:36  28OCT01

 DAILY VEHICLE MILES

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
DAILY VMT - GEOGRAPHIC LOCATION NO      1:

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557
```

FT	1	2	3	4	5	TOTAL
	----------	----------	AREA TYPES	----------	----------	
1	355248.	83935.	5634877.	4162717.	213067.	10449844.
2	180669.	11099.	8958381.	8219141.	479255.	17848544.
3	131101.	2445.	2566669.	1359843.	450786.	4510845.
4	58612.	9433.	3273656.	1097421.	510865.	4949986.
5	40115.	3339.	1744452.	977101.	282926.	3047932.
6	180449.	7372.	234357.	427899.	0.	850077.
7	69477.	28112.	685767.	565644.	24643.	1373643.
8	0.	0.	495016.	25398.	0.	520414.
9	0.	0.	2786534.	103185.	557106.	3446825.
GL TOTAL	1015672.	145734.	26379674.	16938352.	2518649.	46998080.

```
 FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 08:50:36  28OCT01

 DAILY VEHICLE MILES

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
DAILY VMT - ALL GEOGRAPHIC LOCATIONS
            ---------------- AREA TYPES -----------------
 FT             1         2         3         4         5     TOTAL
_____________________________________________________________________________

  1        355248.    83935.  5634877.  4162717.   213067. 10449844.
  2        180669.    11099.  8958381.  8219141.   479255. 17848544.
  3        131101.     2445.  2566669.  1359843.   450786.  4510845.
  4         58612.     9433.  3273656.  1097421.   510865.  4949986.
  5         40115.     3339.  1744452.   977101.   282926.  3047932.
  6        180449.     7372.   234357.   427899.        0.   850077.
  7         69477.    28112.   685767.   565644.    24643.  1373643.
  8             0.        0.   495016.    25398.        0.   520414.
  9             0.        0.  2786534.   103185.   557106.  3446825.

 TOTAL    1015672.   145734. 26379674. 16938352.  2518649. 46998080.
--------------------
 DAILY VMT
FACILITY
    TYPE
____________________

     1   10449849.
     2   17848542.
     3    4510847.
     4    4949986.
     5    3047938.
     6     850077.
     7    1373642.
     8     520414.
     9    3446824.

 TOTAL   46998192.
--------------------
 DAILY VMT
    AREA
    TYPE
____________________

     1    1015672.
     2     145734.
     3   26379674.
     4   16938352.
     5    2518649.

 TOTAL   46998192.
-------------------------------------------------------------------------------
 DAILY VMT
```

NUMBER LANES	
1	10358277.
2	14924267.
3	14656141.
4	3874880.
5	2964988.
6	219560.
TOTAL	46998192.

```
 FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 08:50:36  28OCT01

 DAILY VEHICLE HOURS

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
DAILY VHT - GEOGRAPHIC LOCATION NO      1

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557
```

FT	1	2	3	4	5	TOTAL
	---------- AREA TYPES ----------					
1	10123.	2426.	407159.	154796.	5522.	580027.
2	12914.	404.	422412.	461070.	10706.	907506.
3	9643.	110.	124879.	78053.	11422.	224107.
4	3874.	602.	154457.	58920.	15654.	233506.
5	4395.	267.	104729.	64006.	7928.	181326.
6	13434.	426.	12085.	26790.	0.	52735.
7	6101.	1711.	56244.	36348.	951.	101354.
8	0.	0.	15713.	997.	0.	16709.
9	0.	0.	105753.	2271.	15219.	123243.
GL TOTAL	60484.	5947.	1403429.	883252.	67401.	2420512.

```
 FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 08:50:36  28OCT01

 DAILY VEHICLE HOURS

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
DAILY VHT - ALL GEOGRAPHIC LOCATIONS
            ---------------- AREA TYPES -----------------
 FT             1         2         3         4         5     TOTAL
_____________________________________________________________________________

  1         10123.     2426.   407159.   154796.     5522.   580027.
  2         12914.      404.   422412.   461070.    10706.   907506.
  3          9643.      110.   124879.    78053.    11422.   224107.
  4          3874.      602.   154457.    58920.    15654.   233506.
  5          4395.      267.   104729.    64006.     7928.   181326.
  6         13434.      426.    12085.    26790.        0.    52735.
  7          6101.     1711.    56244.    36348.      951.   101354.
  8             0.        0.    15713.      997.        0.    16709.
  9             0.        0.   105753.     2271.    15219.   123243.

 TOTAL      60484.     5947.  1403429.   883252.    67401.  2420512.
--------------------
 DAILY VHT
FACILITY
    TYPE
_____________________

     1     580026.
     2     907506.
     3     224107.
     4     233506.
     5     181326.
     6      52735.
     7     101354.
     8      16709.
     9     123243.

 TOTAL    2420510.
--------------------
 DAILY VHT
    AREA
    TYPE
_____________________

     1      60484.
     2       5947.
     3    1403429.
     4     883252.
     5      67401.

 TOTAL    2420510.
--------------------
 DAILY VHT
```

NUMBER LANES	
1	585144.
2	725242.
3	885301.
4	128911.
5	90389.
6	5527.
TOTAL	2420510.

```
 FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 08:50:36  28OCT01

 AVERAGE CONGESTED SPEED (mph)

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
AVERAGE SPEED - GEOGRAPHIC LOCATION NO      1

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557
```

FT	1	2	3	4	5
	---------- AREA TYPES ----------				
1	35.09	34.60	13.84	26.89	38.58
2	13.99	27.47	21.21	17.83	44.77
3	13.60	22.19	20.55	17.42	39.47
4	15.13	15.67	21.19	18.63	32.64
5	9.13	12.49	16.66	15.27	35.69
6	13.43	17.29	19.39	15.97	0.00
7	11.39	16.43	12.19	15.56	25.92
8	0.00	0.00	31.50	25.48	0.00
9	0.00	0.00	26.35	45.43	36.61
GL TOTAL	16.79	24.51	18.80	19.18	37.37

```
 FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 08:50:36  28OCT01

 AVERAGE CONGESTED SPEED (mph)

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
AVERAGE SPEED - ALL GEOGRAPHIC LOCATIONS
            ---------------- AREA TYPES -----------------
 FT             1         2         3         4         5
_____________________________________________________________________________

  1          35.09     34.60     13.84     26.89     38.58
  2          13.99     27.47     21.21     17.83     44.77
  3          13.60     22.19     20.55     17.42     39.47
  4          15.13     15.67     21.19     18.63     32.64
  5           9.13     12.49     16.66     15.27     35.69
  6          13.43     17.29     19.39     15.97      0.00
  7          11.39     16.43     12.19     15.56     25.92
  8           0.00      0.00     31.50     25.48      0.00
  9           0.00      0.00     26.35     45.43     36.61

 TOTAL       16.79     24.51     18.80     19.18     37.37
--------------------
 AVERAGE SPEED
FACILITY
    TYPE
____________________

     1       18.02
     2       19.67
     3       20.13
     4       21.20
     5       16.81
     6       16.12
     7       13.55
     8       31.14
     9       27.97

 TOTAL       19.42
--------------------
 AVERAGE SPEED
    AREA
    TYPE
____________________

     1       16.79
     2       24.51
     3       18.80
     4       19.18
     5       37.37

 TOTAL       19.42
--------------------
 AVERAGE SPEED
```

NUMBER LANES	
1	17.70
2	20.58
3	16.55
4	30.06
5	32.80
6	39.72
TOTAL	19.42

YEAR 2010 EMISSYN.10A

```
SCENARIO  1        MOBILE.TEM
THE FOLLOWING IS A MATRIX WHICH ASSIGNS A SCENARIO TO EACH FT/AT COMBINATION
AT=>     1     2     3     4     5
_____________________________________
FT |
 1 |     1     1     1     1     1
 2 |     1     1     1     1     1
 3 |     1     1     1     1     1
 4 |     1     1     1     1     1
 5 |     1     1     1     1     1
 6 |     1     1     1     1     1
 7 |     1     1     1     1     1
 8 |     1     1     1     1     1
 9 |     1     1     1     1     1
```

YEAR 2010 HEVAL.OUT

```
   FLORIDA D.O.T.         Miami-Dade      2010 MODEL
PAGE NO.     1
       FSUTMS                                    HIGHWAY ASSIGNMENT
DATE   26OCT01
      VER 5.40
TIME  23:12:30

 "HELABELS.SYN" CONTENTS:

          LABEL FT 11  1  1 FREEWAY  FREEWAY
          LABEL FT 12  1  1
          LABEL FT 15  1  1
          LABEL FT 16  1  1
          LABEL FT 17  1  1
          LABEL FT 21  2  2 D. ART   DIV. ARTERIAL
          LABEL FT 22  2  2
          LABEL FT 23  2  2
          LABEL FT 24  2  2
          LABEL FT 25  2  2
          LABEL FT 31  3  3 U. ART   UNDIV. ARTERIAL
          LABEL FT 32  3  3
          LABEL FT 33  3  3
          LABEL FT 34  3  3
          LABEL FT 35  3  3
          LABEL FT 36  3  3
          LABEL FT 37  3  3
          LABEL FT 38  3  3
          LABEL FT 41  4  4 COLLCTR  COLLECTOR
          LABEL FT 42  4  4
          LABEL FT 43  4  4
          LABEL FT 44  4  4
          LABEL FT 45  4  4
          LABEL FT 46  4  4
          LABEL FT 47  4  4
          LABEL FT 48  4  4
          LABEL FT 51  5  5 LOCAL    CENTROID CONN.
          LABEL FT 52  5  5
          LABEL FT 61  6  6 1 WAY    ONE WAY
          LABEL FT 62  6  6
          LABEL FT 63  6  6
          LABEL FT 64  6  6
          LABEL FT 65  6  6
          LABEL FT 66  6  6
          LABEL FT 67  6  6
          LABEL FT 68  6  6
          LABEL FT 71  7  7 RAMP     RAMPS
          LABEL FT 72  7  7
          LABEL FT 73  7  7
          LABEL FT 74  7  7
          LABEL FT 75  7  7
          LABEL FT 76  7  7
          LABEL FT 77  7  7
          LABEL FT 78  7  7
          LABEL FT 79  7  7
          LABEL FT 81  8  8 HOV      HOV
          LABEL FT 82  8  8
```

```
LABEL FT 83  8  8
LABEL FT 84  8  8
```

```
   FLORIDA D.O.T.         Miami-Dade      2010 MODEL
PAGE NO.     2
       FSUTMS                                    HIGHWAY ASSIGNMENT
DATE   26OCT01
      VER 5.40
TIME  23:12:30

 "HELABELS.SYN" CONTENTS:

          LABEL FT 85  8  8
          LABEL FT 86  8  8
          LABEL FT 87  8  8
          LABEL FT 88  8  8
          LABEL FT 89  8  8
          LABEL FT 91  9  9 TOLL     TOLL
          LABEL FT 92  9  9
          LABEL FT 93  9  9
          LABEL FT 94  9  9
          LABEL FT 95  9  9
          LABEL FT 96  9  9
          LABEL FT 97  9  9
          LABEL FT 98  9  9
          LABEL FT 99  9  9
          LABEL AT 11  1  1 CBD      CBD
          LABEL AT 12  1  1
          LABEL AT 13  1  1
          LABEL AT 14  1  1
          LABEL AT 21  2  2 FRINGE   FRINGE
          LABEL AT 31  3  3 RESID.   RESIDENTIAL
          LABEL AT 32  3  3
          LABEL AT 33  3  3
          LABEL AT 34  3  3
          LABEL AT 41  4  4 OBD      OBD
          LABEL AT 42  4  4
          LABEL AT 43  4  4
          LABEL AT 44  4  4
          LABEL AT 51  5  5 RURAL    RURAL
          LABEL AT 52  5  5
```

```
   FLORIDA D.O.T.         Miami-Dade      2010 MODEL
PAGE NO.     3
       FSUTMS                                    HIGHWAY ASSIGNMENT
DATE   26OCT01
      VER 5.40
TIME  23:12:30
```

FACILITY TYPES SELECTED:

FACILITY TYPES SKIPPED:

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	

AREA TYPES SELECTED:

AREA TYPES SKIPPED:

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	

```
***    *** ********** ***    ***  ********  ***
***    *** ********** ***    *** ********** ***
***    *** ***         ***  ***  ***    *** ***
********** ******      ***  ***  ********** ***
********** ******       ******   ********** ***
***    *** ***           ****    ***    *** ***
***    *** **********    ****    ***    *** **********
***    *** **********     **     ***    *** **********
```

(CONTACT DATA MANAGER (BMMP) 904-488-4640 IF YOU HAVE QUESTIONS)

```
****   *****   ****   ****  ****   *****  ****   *****  *****   ***   *   *
*   *  *      *      *      *   *    *    *   *    *      *    *  *  **  *
*   *  ****    ***   *      ****     *    ****     *      *    *  *  * * *
*   *  *          *  *      *  *     *    *        *      *    *  *  *  **
****   *****  ****    ****  *   *  *****  *        *    *****   ***   *   *
```

HEVAL MODULE (D5520931.DRIVER.SETUP.FORT(HEVAL))

A GENERAL PURPOSE HIGHWAY EVALUATION PROGRAM DESIGNED TO PROVIDE THE TRANSPORTATION PLANNER WITH A TOOL TO EVALUATE A HIGHWAY ASSIGNMENT. THE PROGRAM OPERATES IN TWO MODES. ONE MODE ALLOWS THE USER TO PRINT A VARIETY OF REPORTS DESIGNED TO ASSIST IN THE TASK OF MODEL VALIDATION. THIS MODE IS REFERRED TO INTERNALLY AS VALIDATION AND IS SET BY THE USER WITH A STATEMENT - "VALIDATE=T"
THE OTHER MODE IS AS AN ASSIGNMENT ANALYSIS TOOL. THIS MODE IS GENERALLY USED FOR ASSIGNMENTS TO FUTURE YEAR NETWORKS. THIS MODE IS SET BY THE USER WITH A STATEMENT "ANALYSIS=T".

INPUT DATA FOR THIS RUN:

USES HRLDXY FILE AS DATA SOURCE
RATES=1979 UROAD AND CUTS RATES

OUTPUT DATA SETS FOR THIS RUN:

PRINTOUT ONLY

DATE AND TIME OF THIS RUN:

26OCT01 (DDMMMYY) 23:12:31 (HH.MM.SS)

TYPE OF RUN:

ANALYSIS

```
 ***    ****   ****  *   *  *   *  ****   *****  *****   ***   *  *   ****
*   *  *      *      *   *  ** **  *   *    *      *    *   *  **  *  *
*****   ***    ***   *   *  * * *  ****     *      *    *   *  ** *   ***
*   *      *      *  *   *  *   *  *        *      *    *   *  * **      *
*   *  ****   ****    ***   *   *  *        *    *****   ***   *  *  ****
```

FACILITY AND AREA TYPES AS DEFINED IN THE HNET MODULE:

FACILITY TYPE 1 - FREEWAYS
FACILITY TYPE 2 - EXPRESSWAYS AND DIVIDED ARTERIALS
FACILITY TYPE 3 - UNDIVIDED ARTERIALS
FACILITY TYPE 4 - COLLECTORS
FACILITY TYPE 5 - LOCALS (CENTROID CONNECTORS) - NOT INCLUDED
FACILITY TYPE 6 - ONE WAYS
FACILITY TYPE 8 - HOV LINKS
FACILITY TYPE 9 - TOLL RAMPS

AREA TYPE 1 - CBD
AREA TYPE 2 - FRINGE
AREA TYPE 3 - RESIDENTIAL
AREA TYPE 4 - OBD
AREA TYPE 5 - RURAL

LANE VALUES REPORTED ARE TRUE LANE VALUES.

THE FOLLOWING RATES ARE USED IN THE VARIOUS CALCULATIONS:

ACCIDENT RATES:	FREEWAYS	-	1.060 PER MILLION VEHICLE MILES
	ARTERIALS	-	5.830 PER MILLION VEHICLE MILES
	LOCALS	-	8.630 PER MILLION VEHICLE MILES
INJURY RATES :	FREEWAYS	-	0.730 PER MILLION VEHICLE MILES
	ARTERIALS	-	3.850 PER MILLION VEHICLE MILES
	LOCALS	-	3.490 PER MILLION VEHICLE MILES
FATALITY RATES:	FREEWAYS	-	0.009 PER MILLION VEHICLE MILES
	ARTERIALS	-	0.019 PER MILLION VEHICLE MILES
	LOCALS	-	0.018 PER MILLION VEHICLE MILES

```
 ***    ****   ****  *   *  *   *  ****   *****  *****   ***   *  *   ****
*   *  *      *      *   *  ** **  *   *    *      *    *   *  **  *  *
*****   ***    ***   *   *  * * *  ****     *      *    *   *  ** *   ***
*   *      *      *  *   *  *   *  *        *      *    *   *  * **      *
*   *  ****   ****    ***   *   *  *        *    *****   ***   *  *  ****
```

CARBON MONOXIDE EMISSIONS (GRAMS PER VEHICLE MILE)

SPEED	FT 1	FT 2	FT 3	FT 4	FT 5	FT 6	FT 7	FT 8	FT 9
LT 20	37.73	37.73	37.73	37.73	37.73	37.73	37.73	37.73	37.73
20 - 25	27.77	27.77	27.77	27.77	27.77	27.77	27.77	27.77	27.77
25 - 30	21.82	21.82	21.82	21.82	21.82	21.82	21.82	21.82	21.82
30 - 35	17.72	17.72	17.72	17.72	17.72	17.72	17.72	17.72	17.72
35 - 40	14.74	14.74	14.74	14.74	14.74	14.74	14.74	14.74	14.74
40 - 45	12.49	12.49	12.49	12.49	12.49	12.49	12.49	12.49	12.49
45 - 50	10.76	10.76	10.76	10.76	10.76	10.76	10.76	10.76	10.76
50 - 55	10.64	10.64	10.64	10.64	10.64	10.64	10.64	10.64	10.64
55 - 60	12.84	12.84	12.84	12.84	12.84	12.84	12.84	12.84	12.84
GE 60	17.23	17.23	17.23	17.23	17.23	17.23	17.23	17.23	17.23

HYDROCARBON EMISSIONS (GRAMS PER VEHICLE MILES)

SPEED	FT 1	FT 2	FT 3	FT 4	FT 5	FT 6	FT 7	FT 8	FT 9
LT 20	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
20 - 25	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73
25 - 30	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47
30 - 35	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29
35 - 40	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16

```
    ³ 40 - 45  ³   1.05     1.05     1.05     1.05     1.05     1.05     1.05
1.05     1.05 ³
    ³ 45 - 50  ³   0.97     0.97     0.97     0.97     0.97     0.97     0.97
0.97     0.97 ³
    ³ 50 - 55  ³   0.95     0.95     0.95     0.95     0.95     0.95     0.95
0.95     0.95 ³
    ³ 55 - 60  ³   0.98     0.98     0.98     0.98     0.98     0.98     0.98
0.98     0.98 ³
    ³  GE 60   ³   1.07     1.07     1.07     1.07     1.07     1.07     1.07
1.07     1.07 ³
    +----------+--------+--------+--------+--------+--------+--------+--------+-
-------+--------+
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OXIDES OF NITROGEN EMISSIONS (GRAMS PER VEHICLE MILE)

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    +----------+--------+--------+--------+--------+--------+--------+--------+-
-------+--------+
    ³  SPEED   ³  FT 1  ³  FT 2  ³  FT 3  ³  FT 4  ³  FT 5  ³ FT 6  ³  FT 7  ³
FT 8  ³  FT 9  ³
    +----------+--------+--------+--------+--------+--------+--------+--------+-
-------+--------+
    ³          ³
³
    ³  LT 20   ³   1.99     1.99     1.99     1.99     1.99     1.99     1.99
1.99     1.99 ³
    ³ 20 - 25  ³   1.89     1.89     1.89     1.89     1.89     1.89     1.89
1.89     1.89 ³
    ³ 25 - 30  ³   1.88     1.88     1.88     1.88     1.88     1.88     1.88
1.88     1.88 ³
    ³ 30 - 35  ³   1.89     1.89     1.89     1.89     1.89     1.89     1.89
1.89     1.89 ³
    ³ 35 - 40  ³   1.91     1.91     1.91     1.91     1.91     1.91     1.91
1.91     1.91 ³
    ³ 40 - 45  ³   1.94     1.94     1.94     1.94     1.94     1.94     1.94
1.94     1.94 ³
    ³ 45 - 50  ³   1.99     1.99     1.99     1.99     1.99     1.99     1.99
1.99     1.99 ³
    ³ 50 - 55  ³   2.25     2.25     2.25     2.25     2.25     2.25     2.25
2.25     2.25 ³
    ³ 55 - 60  ³   2.56     2.56     2.56     2.56     2.56     2.56     2.56
2.56     2.56 ³
    ³  GE 60   ³   2.92     2.92     2.92     2.92     2.92     2.92     2.92
2.92     2.92 ³
    +----------+--------+--------+--------+--------+--------+--------+--------+-
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  ***    ****   ****  *   *  *   *  ****   *****  *****   ***   *  *   ****
 *   *  *      *      *   *  ** **  *   *    *      *    *   *  **  *  *
 *****   ***    ***   *   *  * * *  ****     *      *    *   *  ** *   ***
 *   *      *      *  *   *  *   *  *        *      *    *   *  * **      *
 *   *  ****   ****    ***   *   *  *        *    *****   ***   *  *  ****
```

FUEL USE (GALLONS PER MILE)

SPEED	FT 1	FT 2	FT 3	FT 4	FT 5	FT 6	FT 7	FT 8	FT 9
LT 20	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
20 - 25	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
25 - 30	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
30 - 35	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
35 - 40	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
40 - 45	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
45 - 50	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
50 - 55	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
55 - 60	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
60 - 65	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
GE 65	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06

EVAL USES CONSTRUCTION CODES TO CALCULATE NEW AND IMPROVED
LANE MILES AND CONSTRUCTION COSTS. THE CODE DEFINITIONS ARE:

CODE
1 - ADD 2 LANES, FT REMAINS SAME (ONE WAY - ADD 1 LANE)
2 - ADD 4 LANES, FT REMAINS SAME (ONE WAY - ADD 2 LANES)
3 - ADD 6 LANES, FT REMAINS SAME (ONE WAY - ADD 3 LANES)
4 - ADD 2 LANES, UPGRADE FT BY 1
5 - ADD 2 LANES, UPGRADE FT BY 2
6 - ADD 4 LANES, UPGRADE FT BY 1
7 - NEW CONSTRUCTION - 2 LANES (ONE WAY - 1 LANE)
8 - NEW CONSTRUCTION - 4 LANES (ONE WAY - 2 LANES)
9 - NEW CONSTRUCTION - 6 LANES (ONE WAY - 3 LANES)
0 - NO NEW CONSTRUCTION

CONSTRUCTION COST : THOUSAND DOLLARS PER MILE

CODE	FT 1	FT 2	FT 3	FT 4	FT 5	FT 6	FT 7	FT 8	FT 9
1	1901.00	1478.00	1267.00	1267.00	0.00	1267.00	1267.00	1901.00	1901.00
2	2628.00	2464.00	2217.00	2217.00	0.00	2217.00	2217.00	2628.00	2628.00
3	2713.00	2851.00	2534.00	2534.00	0.00	2534.00	2534.00	2713.00	2713.00
4	0.00	1478.00	1267.00	1267.00	0.00	1267.00	1267.00	0.00	0.00
5	0.00	0.00	1267.00	1267.00	0.00	1267.00	1267.00	0.00	0.00
6	0.00	2464.00	2217.00	2217.00	0.00	2217.00	2217.00	0.00	0.00
7	0.00	1267.00	1267.00	1267.00	0.00	1267.00	1267.00	0.00	0.00
8	2059.00	2112.00	1760.00	1760.00	0.00	1760.00	1760.00	2059.00	2059.00
9	2628.00	2464.00	2218.00	2218.00	0.00	2218.00	2218.00	2628.00	2628.00

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- REPORT: TOTAL SYSTEM MILES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	6.14	1.68	91.60	55.62	2.63	157.67
D. ART	5.75	0.47	268.60	208.15	18.43	501.40
U. ART	6.63	0.20	159.23	58.16	63.64	287.86
COLLCTR	7.23	0.85	344.28	81.74	121.10	555.20
1 WAY	16.66	1.18	19.86	33.20	0.00	70.90
RAMP	6.33	1.96	53.00	38.10	1.78	101.17
HOV	0.00	0.00	45.31	3.30	0.00	48.61
TOLL	0.00	0.00	121.65	4.37	26.48	152.50
Totals	48.74	6.34	1103.53	482.64	234.06	1875.31

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- REPORT: TOTAL LANE MILES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	22.26	5.63	330.46	202.51	11.60	572.46
D. ART	26.05	2.32	1192.83	1026.51	76.36	2324.07
U. ART	22.76	0.40	398.06	185.24	136.96	743.42
COLLCTR	16.75	1.70	843.94	218.64	255.78	1336.81
1 WAY	44.03	2.55	49.35	83.19	0.00	179.12
RAMP	8.23	2.79	73.39	53.57	3.02	141.00
HOV	0.00	0.00	45.31	3.30	0.00	48.61
TOLL	0.00	0.00	311.28	10.14	74.70	396.12
Totals	140.08	15.39	3244.62	1783.10	558.42	5741.61

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- REPORT: TOTAL DIRECTIONAL SYSTEM MILES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	6.14	1.68	96.00	55.62	3.20	162.64
D. ART	11.50	0.94	537.20	416.30	36.86	1002.80
U. ART	13.22	0.40	318.46	116.32	127.28	575.68
COLLCTR	14.46	1.70	688.56	163.48	242.20	1110.40
1 WAY	16.66	1.18	19.86	33.20	0.00	70.90
RAMP	6.33	1.96	54.70	38.36	1.78	103.13
HOV	0.00	0.00	45.31	3.30	0.00	48.61
TOLL	0.00	0.00	122.05	4.37	26.48	152.90
Totals	68.31	7.86	1882.14	830.95	437.80	3227.06

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- REPORT: AVERAGE LINK LENGTH USING SYSTEM MILES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.17	0.14	0.34	0.31	0.29	0.31
D. ART	0.12	0.09	0.26	0.20	0.43	0.23
U. ART	0.09	0.10	0.27	0.20	0.68	0.27
COLLCTR	0.09	0.08	0.26	0.21	0.51	0.27
1 WAY	0.06	0.07	0.21	0.22	0.00	0.13
RAMP	0.09	0.10	0.11	0.09	0.16	0.10
HOV	0.00	0.00	0.17	0.16	0.00	0.17
TOLL	0.00	0.00	0.25	0.15	0.49	0.26
Totals	0.08	0.10	0.24	0.19	0.52	0.23

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- REPORT: TOTAL VMT USING VOLUMES ON LINKS WITH CAPACITIES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	371715	87826	5896076	4355674	222943	10934234
D. ART	189044	11613	9373624	8600124	501470	18675876
U. ART	137178	2558	2685644	1422877	471682	4719940
COLLCTR	61329	9870	3425400	1148292	534545	5179437
1 WAY	188814	7714	245220	447734	0	889481
RAMP	72698	29415	717554	591863	25786	1437316
HOV	0	0	517962	26575	0	544537
TOLL	0	0	2915699	107968	582930	3606598
Totals	1020777	148996	25777180	16701108	2339357	45987412

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- REPORT: TOTAL VMT USING CAPACITY

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	429973	108776	6161301	3797484	209313	10706847
D. ART	214567	20539	10475849	8786078	1044587	20541620
U. ART	169522	2574	2919807	1408897	1681244	6182044
COLLCTR	97266	9794	5006677	1316724	1607539	8037999
1 WAY	319816	20472	396636	643642	0	1380566
RAMP	128668	42463	1107389	820557	37225	2136302
HOV	0	0	849563	61875	0	911438
TOLL	0	0	5752096	184717	1346631	7283445
Totals	1359812	204618	32669318	17019972	5926538	57180260

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- REPORT: RATIO OF VOLUME OVER CAPACITY
VMT

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.86	0.81	0.96	1.15	1.07	1.02
D. ART	0.88	0.57	0.89	0.98	0.48	0.91
U. ART	0.81	0.99	0.92	1.01	0.28	0.76
COLLCTR	0.63	1.01	0.68	0.87	0.33	0.64
1 WAY	0.59	0.38	0.62	0.70	0.00	0.64
RAMP	0.57	0.69	0.65	0.72	0.69	0.67
HOV	0.00	0.00	0.61	0.43	0.00	0.60
TOLL	0.00	0.00	0.51	0.58	0.43	0.50
Totals	0.75	0.73	0.79	0.98	0.39	0.80

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- REPORT: TOTAL VHT USING VOLUMES ON LINKS WITH CAPACITIES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	10592	2538	426034	161972	5778	606915
D. ART	13512	423	441995	482444	11202	949576
U. ART	10090	115	130668	81671	11952	234496
COLLCTR	4053	630	161617	61651	16380	244331
1 WAY	14057	446	12645	28032	0	55180
RAMP	6384	1791	58851	38033	995	106053
HOV	0	0	16441	1043	0	17484
TOLL	0	0	110656	2377	15924	128956
Totals	58689	5942	1358907	857223	62230	2342991

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- REPORT: TOTAL VHT USING CAPACITIES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	12066	3007	286476	131694	5191	438434
D. ART	14044	699	441859	439344	21846	917793
U. ART	10206	116	126714	68337	39738	245111
COLLCTR	5809	585	207075	59289	40142	312899
1 WAY	22041	930	18238	35485	0	76693
RAMP	10246	2304	62441	43941	1187	120120
HOV	0	0	23406	1828	0	25234
TOLL	0	0	227063	4738	34988	266790
Totals	74411	7641	1393273	784657	143092	2403075

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- REPORT: RATIO OF VOLUME OVER CAPACITY
VHT

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.88	0.84	1.49	1.23	1.11	1.38
D. ART	0.96	0.60	1.00	1.10	0.51	1.03
U. ART	0.99	1.00	1.03	1.20	0.30	0.96
COLLCTR	0.70	1.08	0.78	1.04	0.41	0.78
1 WAY	0.64	0.48	0.69	0.79	0.00	0.72
RAMP	0.62	0.78	0.94	0.87	0.84	0.88
HOV	0.00	0.00	0.70	0.57	0.00	0.69
TOLL	0.00	0.00	0.49	0.50	0.46	0.48
Totals	0.79	0.78	0.98	1.09	0.43	0.97

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- REPORT: TOTAL VOLUME ON ALL LINKS WITH CAPACITIES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	2166778	638492	17087120	14040755	614709	34547856
D. ART	1724922	126894	36784424	44105884	1250245	83992368
U. ART	1468790	25374	10590659	7800510	799746	20685080
COLLCTR	732699	121656	14031866	5567112	1302318	21755648
1 WAY	3128640	108483	1192646	2289452	0	6719221
RAMP	765556	297494	5887981	5551056	157760	12659847
HOV	0	0	2385267	136607	0	2521874
TOLL	0	0	8917931	388682	899438	10206051
Totals	9987384	1318393	96877896	79880056	5024216	193087952

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- REPORT: TOTAL CAPACITIES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	2606966	772782	18198616	12184392	611695	34374452
D. ART	1951344	211696	40072864	43424800	2417772	88078472
U. ART	1774534	25740	11059055	7537837	2641444	23038610
COLLCTR	1114030	126742	19944272	6404568	3369160	30958772
1 WAY	5210462	283316	1925134	2905551	0	10324463
RAMP	1387944	392122	9060949	7782652	209542	18833208
HOV	0	0	5043750	393750	0	5437500
TOLL	0	0	18129002	675363	2046584	20850948
Totals	14045280	1812398	123433640	81308912	11296197	231896416

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- REPORT: RATIO OF VOLUME OVER CAPACITY

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.83	0.83	0.94	1.15	1.00	1.01
D. ART	0.88	0.60	0.92	1.02	0.52	0.95
U. ART	0.83	0.99	0.96	1.03	0.30	0.90
COLLCTR	0.66	0.96	0.70	0.87	0.39	0.70
1 WAY	0.60	0.38	0.62	0.79	0.00	0.65
RAMP	0.55	0.76	0.65	0.71	0.75	0.67
HOV	0.00	0.00	0.47	0.35	0.00	0.46
TOLL	0.00	0.00	0.49	0.58	0.44	0.49
Totals	0.71	0.73	0.78	0.98	0.44	0.83

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- REPORT: TOTAL VOLUME ON ALL LINKS

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	2166778	638492	17087120	14040755	614709	34547856
D. ART	1724922	126894	36784424	44105884	1250245	83992368
U. ART	1468790	25374	10590659	7800510	799746	20685080
COLLCTR	732699	121656	14031866	5567112	1302318	21755648
1 WAY	3128640	108483	1192646	2289452	0	6719221
RAMP	765556	297494	5887981	5551056	157760	12659847
HOV	0	0	2385267	136607	0	2521874
TOLL	0	0	8917931	388682	899438	10206051
Totals	9987384	1318393	96877896	79880056	5024216	193087952

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- REPORT: VOLUME PERCENTAGES ON ALL LINKS

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	1.12	0.33	8.85	7.27	0.32	17.89
D. ART	0.89	0.07	19.05	22.84	0.65	43.50
U. ART	0.76	0.01	5.48	4.04	0.41	10.71
COLLCTR	0.38	0.06	7.27	2.88	0.67	11.27
1 WAY	1.62	0.06	0.62	1.19	0.00	3.48
RAMP	0.40	0.15	3.05	2.87	0.08	6.56
HOV	0.00	0.00	1.24	0.07	0.00	1.31
TOLL	0.00	0.00	4.62	0.20	0.47	5.29
Totals	5.17	0.68	50.17	41.37	2.60	100.00

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- REPORT: AVERAGE TOTAL VOLUMES ON ALL LINKS

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	60188	53208	62820	78004	68301	67874
D. ART	34498	25379	35404	43114	29075	38885
U. ART	20687	12687	18104	26353	8508	19738
COLLCTR	8828	11060	10590	14612	5472	10675
1 WAY	11631	6780	12554	15263	0	12678
RAMP	11258	14875	12690	13774	14342	13105
HOV	0	0	8867	6505	0	8696
TOLL	0	0	18052	13403	16656	17688
Totals	17309	19976	21325	32171	11190	23785

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- REPORT: ORIGINAL SPEEDS (MPH)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	38.30	39.37	44.77	46.73	56.64	45.25
D. ART	22.85	31.69	34.56	32.78	49.81	33.97
U. ART	21.32	26.09	28.82	28.53	43.73	30.83
COLLCTR	18.85	21.70	27.58	28.95	42.46	29.88
1 WAY	18.50	25.56	28.72	26.27	0.00	24.43
RAMP	14.98	20.70	24.79	25.83	36.20	24.22
HOV	0.00	0.00	53.58	47.37	0.00	53.11
TOLL	0.00	0.00	46.24	46.25	55.72	47.67
Totals	20.25	25.62	31.30	31.32	44.06	32.18

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- REPORT: CONGESTED SPEEDS (MPH)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	35.94	34.52	20.35	28.47	41.47	23.34
D. ART	15.30	28.34	23.40	19.85	45.65	22.03
U. ART	15.62	22.22	22.33	19.65	42.05	23.91
COLLCTR	16.79	16.75	23.32	21.77	40.05	25.21
1 WAY	14.58	20.34	21.49	18.13	0.00	17.92
RAMP	12.32	16.38	16.22	16.45	27.18	16.11
HOV	0.00	0.00	36.30	33.85	0.00	36.12
TOLL	0.00	0.00	21.48	28.22	35.89	23.29
Totals	15.94	20.74	22.77	20.38	40.69	23.24

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- REPORT: PERCENT CHANGE IN SPEED

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	-6.15	-12.33	-54.53	-39.08	-26.78	-48.41
D. ART	-33.02	-10.55	-32.30	-39.45	-8.36	-35.16
U. ART	-26.74	-14.81	-22.52	-31.13	-3.84	-22.43
COLLCTR	-10.95	-22.82	-15.43	-24.82	-5.67	-15.62
1 WAY	-21.20	-20.40	-25.18	-30.99	0.00	-26.65
RAMP	-17.75	-20.89	-34.56	-36.30	-24.94	-33.49
HOV	0.00	0.00	-32.26	-28.55	0.00	-31.99
TOLL	0.00	0.00	-53.54	-38.99	-35.58	-51.14
Totals	-21.30	-19.04	-27.26	-34.94	-7.65	-27.79

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- REPORT: TOTAL VMT USING LINK VOLUMES (FSUTMS.V54+)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	371715	87826	5896076	4355674	222943	10934234
D. ART	189044	11613	9373624	8600124	501470	18675876
U. ART	137178	2558	2685644	1422877	471682	4719940
COLLCTR	61329	9870	3425400	1148292	534545	5179437
1 WAY	188814	7714	245220	447734	0	889481
RAMP	72698	29415	717554	591863	25786	1437316
HOV	0	0	517962	26575	0	544537
TOLL	0	0	2834726	107931	572983	3515640
Totals	1020777	148996	25696206	16701071	2329410	45896456

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- REPORT: TOTAL VHT (FREE-FLOW TIME)
USING LINK VOLUMES (FSUTMS.V54+)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	9705	2232	131032	93200	3931	240099
D. ART	8293	369	272349	261674	10004	552689
U. ART	6411	98	92751	49283	10826	159369
COLLCTR	3233	456	120947	39361	12610	176607
1 WAY	10220	295	8827	16537	0	35879
RAMP	4758	1387	27222	21597	723	55687
HOV	0	0	9556	561	0	10117
TOLL	0	0	60429	2065	9941	72436
Totals	42620	4836	723112	484278	48036	1302882

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- REPORT: TOTAL VHT (CONGESTED TIME)
USING LINK VOLUMES (FSUTMS.V54+)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	10592	2538	426034	161972	5778	606915
D. ART	13512	423	441995	482444	11202	949576
U. ART	10090	115	130668	81671	11952	234496
COLLCTR	4053	630	161617	61651	16380	244331
1 WAY	14057	446	12645	28032	0	55180
RAMP	6384	1791	58851	38033	995	106053
HOV	0	0	16441	1043	0	17484
TOLL	0	0	110656	2377	15924	128956
Totals	58689	5942	1358907	857223	62230	2342991

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- REPORT: SPEEDS (FREE-FLOW TIME) USING LINK VOLUMES (FSUTMS.V54+)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	38.30	39.35	45.00	46.73	56.72	45.54
D. ART	22.80	31.48	34.42	32.87	50.13	33.79
U. ART	21.40	26.08	28.96	28.87	43.57	29.62
COLLCTR	18.97	21.66	28.32	29.17	42.39	29.33
1 WAY	18.48	26.11	27.78	27.07	0.00	24.79
RAMP	15.28	21.21	26.36	27.40	35.65	25.81
HOV	0.00	0.00	54.20	47.37	0.00	53.82
TOLL	0.00	0.00	46.91	52.27	57.64	48.53
Totals	23.95	30.81	35.54	34.49	48.49	35.23

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- REPORT: SPEEDS (CONGESTED TIME) USING LINK VOLUMES (FSUTMS.V54+)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	35.09	34.60	13.84	26.89	38.58	18.02
D. ART	13.99	27.47	21.21	17.83	44.77	19.67
U. ART	13.60	22.19	20.55	17.42	39.47	20.13
COLLCTR	15.13	15.67	21.19	18.63	32.63	21.20
1 WAY	13.43	17.29	19.39	15.97	0.00	16.12
RAMP	11.39	16.43	12.19	15.56	25.92	13.55
HOV	0.00	0.00	31.50	25.48	0.00	31.14
TOLL	0.00	0.00	25.62	45.41	35.98	27.26
Totals	17.39	25.07	18.91	19.48	37.43	19.59

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- REPORT: PERCENT CHANGE IN SPEED USING LINK VOLUMES (FSUTMS.V54+)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	-8.38	-12.07	-69.24	-42.46	-31.97	-60.44
D. ART	-38.63	-12.74	-38.38	-45.76	-10.69	-41.80
U. ART	-36.47	-14.93	-29.02	-39.66	-9.42	-32.04
COLLCTR	-20.23	-27.63	-25.16	-36.15	-23.02	-27.72
1 WAY	-27.30	-33.76	-30.19	-41.01	0.00	-34.98
RAMP	-25.46	-22.56	-53.74	-43.21	-27.29	-47.49
HOV	0.00	0.00	-41.88	-46.20	0.00	-42.14
TOLL	0.00	0.00	-45.39	-13.12	-37.57	-43.83
Totals	-27.38	-18.61	-46.79	-43.51	-22.81	-44.39

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- REPORT: TOTAL ACCIDENT OCCURENCES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.39	0.09	6.25	4.62	0.24	11.59
D. ART	1.10	0.07	54.65	50.14	2.92	108.88
U. ART	0.79	0.01	15.42	8.17	2.71	27.09
COLLCTR	0.32	0.05	18.12	6.07	2.83	27.40
1 WAY	1.08	0.04	1.41	2.57	0.00	5.11
RAMP	0.42	0.17	4.12	3.40	0.15	8.25
HOV	0.00	0.00	0.55	0.03	0.00	0.58
TOLL	0.00	0.00	3.09	0.11	0.62	3.82
Totals	4.11	0.44	103.60	75.11	9.46	192.72

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- REPORT: TOTAL INJURY OCCURENCES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.27	0.06	4.30	3.18	0.16	7.98
D. ART	0.73	0.04	36.09	33.11	1.93	71.90
U. ART	0.48	0.01	9.45	5.01	1.66	16.61
COLLCTR	0.19	0.03	10.69	3.58	1.67	16.16
1 WAY	0.66	0.03	0.86	1.58	0.00	3.13
RAMP	0.26	0.10	2.53	2.08	0.09	5.06
HOV	0.00	0.00	0.38	0.02	0.00	0.40
TOLL	0.00	0.00	2.13	0.08	0.43	2.63
Totals	2.59	0.28	66.43	48.64	5.94	123.88

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- REPORT: TOTAL FATALITY OCCURENCES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.00	0.00	0.05	0.04	0.00	0.10
D. ART	0.00	0.00	0.18	0.16	0.01	0.35
U. ART	0.00	0.00	0.05	0.03	0.01	0.09
COLLCTR	0.00	0.00	0.06	0.02	0.01	0.09
1 WAY	0.00	0.00	0.00	0.01	0.00	0.02
RAMP	0.00	0.00	0.01	0.01	0.00	0.03
HOV	0.00	0.00	0.00	0.00	0.00	0.00
TOLL	0.00	0.00	0.03	0.00	0.01	0.03
Totals	0.02	0.00	0.39	0.27	0.04	0.71

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- REPORT: TOTAL EMISSIONS OF CARBON MONOXIDE (KILOGRAMS)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	5982	1453	108204	88735	3370	207743
D. ART	6713	258	247997	256396	6232	517596
U. ART	4758	71	75939	42620	6514	129903
COLLCTR	2313	358	92810	32838	7904	136224
1 WAY	7093	216	7349	14342	0	29001
RAMP	2635	921	21937	17621	554	43669
HOV	0	0	9293	703	0	9996
TOLL	0	0	38384	1445	7829	47658
Totals	29495	3278	601914	454701	32403	1121790

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- REPORT: TOTAL EMISSIONS OF HYDROCARBONS (KILOGRAMS)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	453	109	7827	6169	260	14819
D. ART	411	17	15989	16140	521	33078
U. ART	292	4	4815	2668	525	8304
COLLCTR	141	22	5934	2081	618	8796
1 WAY	433	14	463	889	0	1799
RAMP	161	57	1380	1114	39	2750
HOV	0	0	676	46	0	722
TOLL	0	0	3096	114	589	3800
Totals	1890	223	40180	29222	2552	74067

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- REPORT: TOTAL EMISSIONS OF OXIDES OF NITROGEN (KILOGRAMS)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	707	168	11368	8349	441	21033
D. ART	372	22	17922	16606	1053	35974
U. ART	269	5	5150	2739	911	9074
COLLCTR	122	19	6542	2206	1029	9919
1 WAY	375	15	475	869	0	1735
RAMP	144	57	1392	1148	50	2791
HOV	0	0	1044	53	0	1097
TOLL	0	0	6096	243	1480	7818
Totals	1989	286	49990	32212	4964	89441

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- REPORT: TOTAL FUEL USE (GALS)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	23262	5496	368976	272578	13952	684264
D. ART	11830	727	586602	538197	31382	1168738
U. ART	8585	160	168068	89044	29518	295374
COLLCTR	3838	618	214361	71860	33452	324129
1 WAY	11816	483	15346	28019	0	55664
RAMP	4549	1841	44905	37039	1614	89947
HOV	0	0	32414	1663	0	34077
TOLL	0	0	182464	6757	36480	225701
Totals	63880	9324	1613136	1045156	146397	2877894

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- REPORT: TOTAL NEW LANE MILEAGE

	CBD	FRINGE	RESID.	OBD	RURAL	Total
Totals	0	0	0	0	0	0

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- REPORT: TOTAL CONSTRUCTION COST (X $1000)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
Totals	0	0	0	0	0	0

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- REPORT: TOTAL DELAY DUE TO CONGESTION (VEH-HRS)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	887.42	306.27	295002.34	68772.34	1847.42	366815.78
D. ART	5219.38	53.88	169646.12	220769.58	1197.78	396886.75
U. ART	3679.45	17.21	37917.36	32388.16	1125.44	75127.62
COLLCTR	819.98	174.00	40670.14	22289.92	3769.77	67723.81
1 WAY	3836.89	150.62	3817.96	11495.29	0.00	19300.76
RAMP	1625.55	404.04	31629.11	16435.69	271.45	50365.84
HOV	0.00	0.00	6885.17	481.86	0.00	7367.02
TOLL	0.00	0.00	50226.27	311.80	5982.61	56520.68
Totals	16068.67	1106.01	635794.50	372944.66	14194.48	*********

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HIGHWAY EVALUATION -- YEAR/ALT (a10) : MILES OF ROADWAY AT EACH LEVEL OF SERVICE

	LEVEL OF SERVICE						
	A	B	C	D	E	F	TOTAL
FREEWAY	37.36	18.05	29.85	23.31	29.44	19.66	157.67
D. ART	139.38	113.29	102.48	67.71	45.14	33.39	501.40
U. ART	143.26	28.37	28.19	22.28	21.93	43.83	287.86
COLLCTR	356.70	49.54	44.26	34.66	26.16	43.86	555.20
1 WAY	49.84	11.56	4.53	2.85	0.35	1.77	70.90
RAMP	64.15	7.15	8.46	6.89	6.96	7.58	101.17
HOV	35.87	8.39	4.09	0.26	0.00	0.00	48.61
TOLL	142.13	3.96	2.75	0.59	1.80	1.27	152.50
Total	968.70	240.31	224.62	158.55	131.77	151.36	1875.31

HIGHWAY EVALUATION -- YEAR/ALT (a10) : PERCENT OF MILEAGE AT EACH LEVEL OF SERVICE

	LEVEL OF SERVICE						
	A	B	C	D	E	F	TOTAL
FREEWAY	1.99	0.96	1.59	1.24	1.57	1.05	8.41
D. ART	7.43	6.04	5.46	3.61	2.41	1.78	26.74
U. ART	7.64	1.51	1.50	1.19	1.17	2.34	15.35
COLLCTR	19.02	2.64	2.36	1.85	1.40	2.34	29.61
1 WAY	2.66	0.62	0.24	0.15	0.02	0.09	3.78
RAMP	3.42	0.38	0.45	0.37	0.37	0.40	5.39
HOV	1.91	0.45	0.22	0.01	0.00	0.00	2.59
TOLL	7.58	0.21	0.15	0.03	0.10	0.07	8.13
Total	51.66	12.81	11.98	8.45	7.03	8.07	100.00

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
1	2161	2516	29341.	36218.	0.81	23	31
1	2429	2431	10255.	54359.	0.19	92	51
1	2504	8497	14522.	12870.	1.13	37	31
1	2506	2507	24968.	34348.	0.73	24	31
1	2509	2510	60143.	51978.	1.16	24	31
1	2520	8494	49096.	51978.	0.94	24	31
1	2521	8494	52227.	51978.	1.00	24	31
1	2523	2524	10418.	11522.	0.90	45	31
1	2525	2526	19934.	24914.	0.80	44	31
1	2529	2580	9255.	11522.	0.80	45	31
1	2531	7437	16567.	9218.	1.80	47	31
1	2533	2592	21007.	13740.	1.53	36	31
1	2536	7793	49484.	51978.	0.95	24	42
1	2541	8775	91564.	72478.	1.26	12	51
1	2547	2712	18122.	18044.	1.00	23	31
1	2603	2604	24305.	63392.	0.38	21	51
1	2612	8780	12077.	54359.	0.22	92	51
1	2685	3316	54229.	54326.	1.00	23	31
1	3317	8497	14552.	12870.	1.13	37	31
1	3856	4985	126407.	55989.	2.26	12	31
1	4258	2541	91536.	72478.	1.26	12	51
1	4970	4975	0.	18750.	0.00	88	31
1	4995	3858	126383.	55989.	2.26	12	31
1	4998	5001	0.	18750.	0.00	87	31
1	5175	7750	31042.	55989.	0.55	92	31
1	5195	6887	34226.	55989.	0.61	92	31
1	8775	2430	91564.	72478.	1.26	12	51
1	8780	2500	12077.	54359.	0.22	92	51
1	TOTALS		1095301.	1152863.	0.95	SCREEN LINE	1

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
2	2170	6508	25391.	34348.	0.74	24	31
2	2427	2426	22488.	54359.	0.41	92	51
2	2458	9679	54853.	55989.	0.98	12	31
2	2491	5979	1744.	9218.	0.19	47	31
2	2859	2717	28733.	54359.	0.53	92	51
2	2971	4481	51394.	48260.	1.06	24	51
2	3175	3658	11122.	11522.	0.97	45	31
2	3574	7266	5277.	12108.	0.44	44	31
2	3781	5727	8018.	12870.	0.62	37	31
2	3788	5881	9406.	11522.	0.82	45	31
2	4053	4054	50237.	55989.	0.90	12	31
2	4056	4052	30856.	55989.	0.55	12	31
2	4250	7275	10437.	36218.	0.29	23	44
2	4273	4275	42254.	51978.	0.81	24	41
2	4620	7269	34075.	51978.	0.66	24	31
2	4754	7810	6938.	24914.	0.28	44	41
2	5082	5084	48819.	50544.	0.97	25	31
2	5083	7316	24576.	12108.	2.03	44	31
2	5349	5352	37240.	51978.	0.72	24	31
2	5582	7327	32103.	34348.	0.93	24	31
2	5726	5728	38798.	50544.	0.77	25	42
2	5879	5883	34189.	34348.	1.00	24	31
2	5976	5981	37442.	34348.	1.09	24	42
2	6074	6076	49709.	51978.	0.96	24	31
2	6153	6156	60890.	51978.	1.17	24	31
2	6199	7345	16359.	11522.	1.42	45	31
2	6251	8516	46130.	74478.	0.62	92	31
2	6252	7974	14308.	9218.	1.55	46	41
2	6253	6254	2329.	9218.	0.25	46	31
2	6307	6308	28123.	34348.	0.82	24	31
2	6337	6342	12648.	16086.	0.79	33	31
2	6384	6387	26011.	34348.	0.76	24	41
2	6452	6458	13600.	34348.	0.40	24	41
2	6456	7512	14732.	12870.	1.14	37	31
2	6556	6558	3381.	12500.	0.27	43	51
2	6607	6608	1691.	25000.	0.07	43	51
2	7808	7890	18838.	24914.	0.76	44	41
2	8516	9753	46130.	74478.	0.62	92	31
2	8517	9754	54853.	74478.	0.74	12	31
2	8619	8622	22959.	47120.	0.49	75	31
2	8620	8623	1659.	8239.	0.20	72	31
2	8622	8621	22959.	31413.	0.73	75	31
2	8623	8624	1659.	8239.	0.20	72	31
2	8624	8625	1659.	8239.	0.20	72	31

2	8625	8628	1659.	8239.	0.20	72	31
2	8626	8627	22454.	31413.	0.71	71	31
2	8627	8630	22454.	31413.	0.71	71	31
2	9678	2456	46130.	55989.	0.82	92	31
2	9679	8517	54853.	74478.	0.74	12	31
2	9753	9678	46130.	74478.	0.62	92	31
2	9754	8194	54853.	74478.	0.74	12	31
2	TOTALS		1355552.	1855339.	0.73	SCREEN LINE	2

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SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
3	2134	2139	19805.	22761.	0.87	64	43
3	2138	2133	19879.	22761.	0.87	64	43
3	2405	4249	20615.	54359.	0.38	92	51
3	2715	3138	29141.	34348.	0.85	24	31
3	2715	3139	12172.	34348.	0.35	24	44
3	2970	6069	21530.	34348.	0.63	24	31
3	2972	4277	15705.	12500.	1.26	43	51
3	2973	7381	12769.	11522.	1.11	45	31
3	2976	8381	5368.	9218.	0.58	46	31
3	2984	7825	20527.	25782.	0.80	37	31
3	2991	2992	10264.	16086.	0.64	33	31
3	2994	2997	29358.	34348.	0.85	24	31
3	3000	3651	17368.	18044.	0.96	23	31
3	3007	7593	52377.	51978.	1.01	24	41
3	3099	7825	24115.	25782.	0.94	37	31
3	3137	3138	37888.	51978.	0.73	24	41
3	3142	3143	39972.	34348.	1.16	24	41
3	3146	3147	46608.	51978.	0.90	24	41
3	3150	3628	34745.	34348.	1.01	24	31
3	3156	3157	13463.	15326.	0.88	42	31
3	3160	3161	4991.	11522.	0.43	45	31
3	3166	7404	38070.	51978.	0.73	24	31
3	3173	3174	9471.	11522.	0.82	45	31
3	3181	3182	8898.	12870.	0.69	37	31
3	3187	3297	15346.	25782.	0.60	37	31
3	3206	8097	15577.	17174.	0.91	32	41
3	3209	8096	33413.	34348.	0.97	24	41
3	3302	3303	38834.	34348.	1.13	24	31
3	3307	7414	2678.	9218.	0.29	46	31
3	3721	4277	43797.	54326.	0.81	23	41
3	3884	3889	93469.	74478.	1.25	12	31
3	3885	3883	91425.	74478.	1.23	12	31
3	4223	4220	85413.	93098.	0.92	12	41
3	4225	4219	89907.	74478.	1.21	12	41
3	4244	3205	27790.	54359.	0.51	92	51
3	4785	4793	16212.	18750.	0.86	88	31
3	4787	4780	14492.	18750.	0.77	87	31
3	TOTALS		1113449.	1267642.	0.88	SCREEN LINE 3	

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
4	2045	2040	70697.	55989.	1.26	12	31
4	2500	4329	12077.	55989.	0.22	92	31
4	2621	7439	29715.	34348.	0.87	24	31
4	2695	2429	10255.	55989.	0.18	92	31
4	2729	2732	16979.	24914.	0.68	44	31
4	2736	2737	64528.	55989.	1.15	12	31
4	2874	4235	25289.	32956.	0.77	41	31
4	2991	2994	13999.	13740.	1.02	36	31
4	3109	4221	46714.	43163.	1.08	24	41
4	3232	3234	50895.	50544.	1.01	25	41
4	3255	8505	19212.	12870.	1.49	37	31
4	3421	4206	62895.	51978.	1.21	24	41
4	3423	4197	55052.	51978.	1.06	24	44
4	3592	3594	26171.	24914.	1.05	44	44
4	3763	8505	19173.	12870.	1.49	37	31
4	4134	5996	41383.	34348.	1.20	24	31
4	4146	4163	36397.	37500.	0.97	12	31
4	4162	4144	31120.	37500.	0.83	12	31
4	4200	7656	19746.	12870.	1.53	37	44
4	4429	4773	30857.	34348.	0.90	24	44
4	4636	4637	42525.	51978.	0.82	24	44
4	4637	7875	72926.	51978.	1.40	24	41
4	4777	4783	7002.	11522.	0.61	45	41
4	4926	4928	25047.	17174.	1.46	32	41
4	4927	2291	90723.	55989.	1.62	12	41
4	5103	5104	63453.	51978.	1.22	24	41
4	5367	7385	46186.	34348.	1.34	24	41
4	5606	7390	44981.	33392.	1.35	25	41
4	5750	5751	60665.	50544.	1.20	25	41
4	5906	5908	46282.	34348.	1.35	24	31
4	6100	6101	39436.	50544.	0.78	25	41
4	7300	8071	34784.	34348.	1.01	24	41
4	8391	8392	6041.	16086.	0.38	41	41
4	TOTALS		1263205.	1229026.	1.03	SCREEN LINE 4	

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
5	2097	2103	11801.	22761.	0.52	64	43
5	2102	2097	12166.	22761.	0.53	64	43
5	2725	2730	11839.	11522.	1.03	45	44
5	3428	3429	34892.	51978.	0.67	24	44
5	3437	3439	25721.	12870.	2.00	37	44
5	3446	3447	15793.	24914.	0.63	44	41
5	3456	3457	42548.	34348.	1.24	24	41
5	3463	3464	13390.	22761.	0.59	64	41
5	3467	3466	10177.	22761.	0.45	64	41
5	3471	3472	27423.	25782.	1.06	37	41
5	3477	3478	41332.	34348.	1.20	24	31
5	3488	3489	31829.	34348.	0.93	24	41
5	3497	3498	29959.	34348.	0.87	24	41
5	3504	3506	43609.	51978.	0.84	24	31
5	3511	3512	27892.	34348.	0.81	24	31
5	3518	3519	19476.	32956.	0.59	41	31
5	3527	3528	28351.	33392.	0.85	25	41
5	3538	3539	7074.	11522.	0.61	45	31
5	3544	3546	30357.	34348.	0.88	24	31
5	3552	3553	25990.	31696.	0.82	34	41
5	3563	3564	39298.	34348.	1.14	24	41
5	3900	3907	95361.	74478.	1.28	12	31
5	3902	3897	99708.	74478.	1.34	12	31
5	4669	4685	13901.	18750.	0.74	88	31
5	4675	4665	14149.	18750.	0.75	87	31
5	6998	6999	63655.	51978.	1.22	24	41
5	TOTALS		817691.	858524.	0.95	SCREEN LINE 5	

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SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
6	2125	2115	71025.	55989.	1.27	12	41
6	2416	8742	34348.	34348.	1.00	24	41
6	2416	9199	31841.	32652.	0.98	33	41
6	2435	3626	11790.	55989.	0.21	92	31
6	2504	2506	4785.	9218.	0.52	46	31
6	2554	7210	35264.	36218.	0.97	23	31
6	2639	3610	9664.	11522.	0.84	45	31
6	2640	6864	44124.	51978.	0.85	24	31
6	2641	3595	9911.	11522.	0.86	45	31
6	2710	2437	13255.	55989.	0.24	92	31
6	2720	8742	33896.	34348.	0.99	24	41
6	2762	2766	69377.	55989.	1.24	12	41
6	2764	2768	6440.	15457.	0.42	67	41
6	2767	2763	6066.	15457.	0.39	67	41
6	3011	3014	11926.	12108.	0.99	44	41
6	3012	3018	45759.	34348.	1.33	24	41
6	3261	3262	41339.	34348.	1.20	24	31
6	3409	4802	27792.	13740.	2.02	36	41
6	3482	3484	18200.	11522.	1.58	45	41
6	3483	6980	51943.	34348.	1.51	24	41
6	3495	8240	15836.	12108.	1.31	44	31
6	3723	7387	12212.	11522.	1.06	45	41
6	3846	5782	17201.	23608.	0.73	45	31
6	3909	7137	73351.	55989.	1.31	12	41
6	4016	4019	65810.	55989.	1.18	12	31
6	4316	7453	14697.	34348.	0.43	24	44
6	4322	6956	33099.	55989.	0.59	12	31
6	4539	4541	42242.	32652.	1.29	33	41
6	4540	8955	32061.	32652.	0.98	33	41
6	4542	8956	32061.	32652.	0.98	33	41
6	4666	4667	18216.	16086.	1.13	33	41
6	4668	9200	31841.	32652.	0.98	33	41
6	4792	4797	35242.	34348.	1.03	24	41
6	4946	4018	74891.	55989.	1.34	12	31
6	5132	5133	50229.	34348.	1.46	24	41
6	5134	7499	45772.	34348.	1.33	24	41
6	5386	5387	45915.	33392.	1.38	25	41
6	5639	5643	29032.	23608.	1.23	45	12
6	5642	5644	35564.	33392.	1.07	25	12
6	5784	5786	41540.	33392.	1.24	25	41
6	5929	5936	27057.	23608.	1.15	45	41
6	5931	5933	41769.	50544.	0.83	25	41
6	6033	6034	26690.	13740.	1.94	36	31
6	6957	4321	35357.	55989.	0.63	12	31

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6      7139  4671     76913.     55989.       1.37       12 41
6      8955  8956     32061.     32652.       0.98       33 41
6      9199  9200     31841.     32652.       0.98       33 41

6        TOTALS     1597246.   1561328.       1.02
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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
7	2004	7854	71280.	54326.	1.31	23	32
7	2039	2051	28271.	33392.	0.85	25	42
7	2041	2057	16252.	33392.	0.49	25	12
7	2042	2058	21792.	25044.	0.87	38	43
7	2323	5092	61384.	50544.	1.21	25	31
7	2335	2345	62357.	74478.	0.84	92	31
7	2389	5103	47446.	34348.	1.38	24	31
7	3984	3987	5139.	15707.	0.33	79	11
7	3986	3985	80176.	77174.	1.04	11	11
7	4482	4903	53115.	74478.	0.71	92	31
7	4908	5083	72649.	51978.	1.40	24	41
7	5002	5198	10821.	15707.	0.69	75	11
7	5003	5209	79620.	77174.	1.03	11	11
7	5013	5014	7636.	11522.	0.66	45	11
7	5020	7446	15233.	24478.	0.62	38	11
7	5026	5027	8922.	11522.	0.77	45	11
7	5034	5037	7822.	22174.	0.35	64	11
7	5048	5046	20032.	22174.	0.90	64	11
7	5059	5060	19187.	22174.	0.87	64	11
7	5071	5072	60673.	60086.	1.01	25	11
7	5106	8379	20738.	23608.	0.88	45	31
7	5113	5114	46411.	34348.	1.35	24	31
7	5122	5123	16321.	12870.	1.27	37	31
7	5131	5132	61732.	51978.	1.19	24	41
7	5140	5141	46152.	34348.	1.34	24	41
7	5147	5148	16777.	12870.	1.30	37	31
7	5153	5154	57746.	50544.	1.14	25	41
7	5159	5160	37478.	33392.	1.12	25	41
7	5164	5166	44750.	50544.	0.89	25	31
7	5170	5171	39606.	27130.	1.46	36	41
7	5173	5180	12665.	16086.	0.79	33	41
7	5176	5177	39554.	33392.	1.18	25	31
7	7729	8503	0.	18750.	0.00	98	31
7	8503	2462	0.	18750.	0.00	98	31
7	TOTALS		1189737.	1210482.	0.98		

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
8	2146	2149	40505.	51978.	0.78	24	43
8	2171	2803	76846.	55989.	1.37	12	31
8	2213	2214	25343.	31413.	0.81	75	31
8	2236	2242	27637.	31413.	0.88	79	31
8	2252	2928	19841.	24914.	0.80	44	31
8	2269	2244	4851.	15707.	0.31	75	31
8	2270	2271	55721.	55989.	1.00	12	31
8	2280	2281	58569.	55989.	1.05	12	31
8	2438	2475	5218.	55989.	0.09	92	31
8	2477	6895	6149.	55989.	0.11	92	31
8	2509	2513	32565.	36218.	0.90	23	31
8	2558	2561	53919.	54326.	0.99	23	31
8	2565	2669	10827.	11522.	0.94	45	31
8	2660	2664	46932.	51978.	0.90	24	31
8	2804	2172	78382.	55989.	1.40	12	31
8	2807	3713	6132.	13740.	0.45	36	31
8	2811	2812	30086.	34348.	0.88	24	31
8	2819	2820	7447.	9218.	0.81	46	31
8	2824	2949	15064.	12108.	1.24	44	31
8	2831	3709	12541.	12108.	1.04	44	31
8	2832	2953	6082.	9218.	0.66	46	31
8	2844	2960	33435.	34348.	0.97	24	41
8	2850	4404	59230.	63566.	0.93	24	41
8	3706	3707	10847.	11522.	0.94	45	31
8	4911	4913	8016.	18750.	0.43	88	31
8	5365	5375	4584.	18750.	0.24	87	31
8	8261	8262	10721.	11522.	0.93	45	31
8	TOTALS		747488.	894601.	0.84		

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HIGHWAY EVALUATION -- YEAR/ALT (a10) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
9	2295	2290	32458.	55989.	0.58	92	31
9	3749	7534	19097.	16086.	1.19	41	41
9	3798	5974	34935.	34348.	1.02	24	41
9	4152	4153	24031.	47120.	0.51	75	31
9	4494	5972	31701.	55989.	0.57	92	31
9	5956	6038	19516.	20544.	0.95	36	51
9	5958	7370	12428.	32956.	0.38	41	31
9	5959	7223	8017.	24914.	0.32	44	31
9	5962	7330	22433.	34348.	0.65	24	31
9	5963	6050	5542.	24914.	0.22	44	31
9	5966	6054	28983.	34348.	0.84	24	31
9	5969	6063	28216.	34348.	0.82	24	31
9	6078	7373	35117.	34348.	1.02	24	31
9	6092	6093	35557.	34348.	1.04	24	31
9	6110	7950	37807.	50544.	0.75	25	41
9	6112	6116	23023.	16086.	1.43	33	31
9	6120	6121	31115.	17174.	1.81	32	32
9	6126	6178	23316.	17174.	1.36	32	32
9	7893	8328	21134.	60218.	0.35	31	51
9	8224	4149	65450.	74478.	0.88	12	31
9	TOTALS		539877.	720274.	0.75		

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SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	FT	AT
10	2218	2912	36949.	36218.	1.02	23	31
10	2480	2293	21028.	55989.	0.38	92	31
10	2487	5198	11589.	11522.	1.01	45	31
10	2582	3857	79282.	51978.	1.53	24	31
10	2610	7400	10939.	11522.	0.95	45	31
10	2674	2676	72133.	51978.	1.39	24	31
10	2678	2679	48595.	34348.	1.41	24	41
10	2798	2804	63508.	55989.	1.13	12	41
10	2803	2797	61789.	55989.	1.10	12	41
10	2919	2921	4852.	11522.	0.42	45	31
10	2923	2927	10806.	9218.	1.17	46	31
10	3051	3054	20077.	27826.	0.72	64	31
10	3053	3050	17220.	27826.	0.62	64	31
10	3163	3167	42657.	32652.	1.31	33	31
10	3166	3168	36997.	51978.	0.71	24	31
10	3284	3286	36673.	33392.	1.10	25	31
10	3382	7397	37998.	25044.	1.52	38	31
10	3527	3531	23621.	25033.	0.94	38	41
10	3529	7406	14477.	11522.	1.26	45	41
10	3530	3526	14376.	22761.	0.63	64	31
10	3927	8426	68114.	55989.	1.22	12	31
10	3963	3989	68728.	58141.	1.18	11	41
10	3990	4989	72958.	58141.	1.25	11	41
10	4067	4070	21336.	38587.	0.55	11	41
10	4068	5833	22121.	38587.	0.57	11	41
10	4479	2479	21674.	55989.	0.39	92	31
10	4584	7403	27722.	32652.	0.85	33	31
10	4586	7401	44322.	34348.	1.29	24	41
10	4719	4722	6838.	15218.	0.45	34	41
10	4724	7840	21530.	32652.	0.66	33	41
10	4870	7841	22083.	23608.	0.94	45	41
10	4874	8063	22809.	34348.	0.66	24	41
10	4984	4991	16044.	12108.	1.33	44	31
10	4990	4996	6249.	11522.	0.54	45	41
10	5007	8065	3995.	15457.	0.26	63	31
10	5014	5006	3620.	15457.	0.23	63	11
10	5182	5183	28220.	32728.	0.86	33	41
10	5189	5201	12522.	22761.	0.55	64	31
10	5194	5204	899.	15022.	0.06	64	21
10	5200	5188	8714.	15022.	0.58	64	31
10	5203	5192	1072.	15022.	0.07	64	21
10	5207	5196	2006.	15022.	0.13	64	21
10	5434	5439	14040.	22761.	0.62	64	41
10	5440	5437	13931.	22761.	0.61	64	31

10	5441	8020	16613.	22761.	0.73	64 41
10	5688	5689	32981.	34348.	0.96	24 31
10	5840	5844	14215.	16892.	0.84	24 31
10	5847	7377	27432.	34348.	0.80	24 31
10	8425	3925	78628.	55989.	1.40	12 31
10	TOTALS		1366983.	1502548.	0.91	

FLORIDA D.O.T.
PAGE NO. 50
FSUTMS Miami-Dade 2010 MODEL
DATE 26OCT01
VER 5.40 Miami-dade
TIME 23:12:30

HIGHWAY EVALUATION -- YEAR/ALT (a10) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
11	3669	6237	20314.	27392.	0.74	31	51
11	3811	6320	5467.	9218.	0.59	46	31
11	3814	6324	14356.	16086.	0.89	33	32
11	4336	6313	54488.	50544.	1.08	25	41
11	6244	7341	46817.	51978.	0.90	24	41
11	6253	6301	25362.	34348.	0.74	24	31
11	6299	8192	82986.	93098.	0.89	92	31
11	6326	6358	29240.	17174.	1.70	32	31
11	6329	7981	4356.	9218.	0.47	46	32
11	7986	7989	10074.	9218.	1.09	46	41
11	7995	7996	18764.	13740.	1.37	36	31
11	8193	2284	89924.	93098.	0.97	92	31
11	TOTALS		402148.	425112.	0.95		
12	2001	5331	18482.	54326.	0.34	23	44
12	2006	2007	69982.	54326.	1.29	23	32
12	2043	4473	9483.	32652.	0.29	33	31
12	2072	2074	118378.	111978.	1.06	12	31
12	2108	3569	42690.	51978.	0.82	24	31
12	2148	8175	45755.	63566.	0.72	24	43
12	2156	8154	23076.	111978.	0.21	17	31
12	3213	3214	21764.	34348.	0.63	24	31
12	5848	5849	46529.	54326.	0.86	23	32
12	TOTALS		396139.	569478.	0.70		
13	2155	8461	19113.	37500.	0.51	92	32
13	2452	8460	19745.	37500.	0.53	92	32
13	3666	6371	23156.	34392.	0.67	32	32
13	6364	6366	2042.	12500.	0.16	43	51
13	6367	6368	6904.	12260.	0.56	43	31
13	6371	7998	7585.	13740.	0.55	36	31
13	6433	8377	10615.	13740.	0.77	36	31
13	6489	7491	6396.	12260.	0.52	43	32
13	6492	6546	33369.	34348.	0.97	24	42
13	6501	6503	42352.	51978.	0.81	24	31
13	6558	6559	3670.	15326.	0.24	42	31
13	6562	6563	1448.	9218.	0.16	46	32
13	6568	6611	8.	12500.	0.00	43	51
13	8460	2120	19745.	37500.	0.53	92	32
13	8461	2454	19113.	37500.	0.51	92	32

```
13        TOTALS      215259.    372262.       0.58


99        TOTALS   180988752. 218278224.       0.83 SCREEN LINE 99
```

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 ****  *****   ***   *****  *****   ****  *****  *****   ****   ****
*        *    *   *    *      *    *        *      *    *      *
 ***     *    *****    *      *     ***     *      *    *       ***
    *    *    *   *    *      *        *    *      *    *  *
****     *    *   *    *    *****  ****     *    *****   ****  ****
```

TOTAL NUMBER OF LINKS	8118
TOTAL SYSTEM MILES	1875.31
TOTAL LANE MILES	5741.61
TOTAL DIRECTIONAL MILES	3227.06
TOTAL VMT USING VOLUMES	45987412
TOTAL VMT USING CAPACITY	57180260
TOTAL VMT V/C	0.80
TOTAL VHT USING VOLUMES	2342991
TOTAL VHT USING CAPACITY	2403075
TOTAL VHT V/C	0.97
TOTAL VOLUMES ALL LINKS	193087952
AVERAGE TOTAL VOLUME	23785.16
TOTAL VMT ALL LINKS	45987412
TOTAL VHT ALL LINKS	2342991
TOTAL ORIGINAL SPEED (MPH)	32.18
TOTAL CONGESTED SPEED (MPH)	23.24
TOTAL ACCIDENTS	192.72
TOTAL INJURIES	123.88
TOTAL FATALITIES	0.71
TOTAL CO EMISSIONS (KILOGRAMS)	1121790
TOTAL HC EMISSIONS (KILOGRAMS)	74067
TOTAL NO EMISSIONS (KILOGRAMS)	89441
TOTAL FUEL USE	2877894
TOTAL NEW LANE MILEAGE	0
TOTAL CONSTRUCTION COST (X $1000)	0

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TOTAL ACCIDENT COST (DOLLARS)              4908033

TOTAL USERS COST (DOLLARS)                18854794

TOTAL MAINTENANCE COST (DOLLARS)            756538

TOTAL DELAY DUE TO CONGESTION (VEH-HRS)    1040108.31
```

YEAR 2010 MOBILE.10A

```
5          PROMPT - vertical flag input, no prompting (NLEV 2001)
MOBILE5a FDOT: MIAMI 2010 WITH FSUTMS.V54 (Includes NLEV Starting in 2001)
1          TAMFLG - default tampering rates
1          SPDFLG - one speed per scenario
1          VMFLAG - default vmt mix
1          MYMRFG - default registration and mileage accrual rates
2          NEWFLG - alternate exhaust emission rates
1          IMFLAG - without I/M program
1          ALHFLG - no additional correction factor inputs
1          ATPFLG - without anti-tampering program
5          RLFLAG - no refueling losses, treated as stationary source
2          LOCFLG - read in local area parameters as one time
1          TEMFLG - calculate exhaust temperatures
4          OUTFMT - 80 column portrait output format
4          PRTFLG - print exhaust HC, CO and NOx emission factor results
2          IDLFLG - Calculate & print idle emissions results (when available)
3          NMHFLG - print VOCs
3          HCFLAG - print HC components
004
1 7 3 90 90 05.639 00.000
1 7 3 91 97 04.598 00.000
1 7 3 98 03 03.679 00.000
1 7 3 04 10 01.840 00.000
MIAMI         FL C 69.3 91.2  9.2  7.8 92           LAP record
4 10  3.0 84.  20.6 27.3 20.6  7                    Scenario records
01 1 1
4 10  6.0 84.  20.6 27.3 20.6  7
01 1 1
4 10  9.0 84.  20.6 27.3 20.6  7
01 1 1
4 10 12.0 84.  20.6 27.3 20.6  7
01 1 1
4 10 15.0 84.  20.6 27.3 20.6  7
01 1 1
4 10 18.0 84.  20.6 27.3 20.6  7
01 1 1
4 10 21.0 84.  20.6 27.3 20.6  7
01 1 1
4 10 24.0 84.  20.6 27.3 20.6  7
01 1 1
4 10 27.0 84.  20.6 27.3 20.6  7
01 1 1
4 10 30.0 84.  20.6 27.3 20.6  7
01 1 1
4 10 33.0 84.  20.6 27.3 20.6  7
01 1 1
4 10 36.0 84.  20.6 27.3 20.6  7
01 1 1
4 10 39.0 84.  20.6 27.3 20.6  7
01 1 1
4 10 42.0 84.  20.6 27.3 20.6  7
01 1 1
4 10 45.0 84.  20.6 27.3 20.6  7
01 1 1
4 10 48.0 84.  20.6 27.3 20.6  7
01 1 1
4 10 51.0 84.  20.6 27.3 20.6  7
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01 1 1
4 10 54.0 84.  20.6 27.3 20.6  7
01 1 1
4 10 57.0 84.  20.6 27.3 20.6  7
01 1 1
4 10 60.0 84.  20.6 27.3 20.6  7
01 1 1
4 10 63.0 84.  20.6 27.3 20.6  7
01 1 1
4 10 65.0 84.  20.6 27.3 20.6  7
01 1 1
```

YEAR 2010 NLEVSTD.D

```
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  1994 LDGV
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    95
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    96
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    97
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    98
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    99
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  2000
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0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    02
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    03
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    04
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    05
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  1994 LDGT1
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    95
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    96
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    97
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    98
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    99
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0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    04
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    05
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  1994 LDGT2
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    95
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    96
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    97
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1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  1994 LDGT3
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0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    04
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    05
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YEAR 2010 PROFILE.MAS

```
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YES
&VFACTORS
YES
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Miami
&MOBILE               DIRECTORY WHERE MOBILE PARAMETER FILES ARE STORED
c:\fsutms.v54\
&IMFAC                INSPECTION/MAINTENANCE CREDIT PERCENTAGE FOR EMIS
0.00000
&EMISFAC              FACTOR TO ADJUST MODEL VMT TO MATCH HPMS TARGET VALUE
0.95570
&FSUTMS               DIRECTORY WHERE SCRIPT FILES ARE LOCATED
..\SCRIPT
&AVEZONE              NUMBER OF ZONES TO AVERAGE TO COMPUTE IZ DISTANCE
1
&TRANZONE             TRANSIT ACCESS ANALYSIS ZONE
642
&ZONESI               INTERNAL ZONES
1500
&ZONESX              FIRST EXTERNAL ZONE
1501
&ZONESA               TOTAL ZONES
1521
&VALIDATE
NO
&ANALYSIS
YES
&GLSELECT
0
&GLTITLE
Miami-dade
&SZONE                STARTING ZONE FOR CARDINAL DISTRIBUTION
1
&FZONE                ENDING ZONE FOR CARDINAL DISTRIBUTION
1500
&DISTRICT             NUMBER OF PLANNING DISTRICS
96
&SUPERDIST            NUMBER OF SUPER DISTRICTS
26
&CBDZONE              THE CBD ZONES
642
&SELDEST              SELECTED DESTINATION ZONES
1-1500
&TERM10               TERMINAL TIME FOR AREA TYPE
5
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1
&TERM57              TERMINAL TIME FOR AREA TYPE
1
&TERM58              TERMINAL TIME FOR AREA TYPE
1
&TERM59              TERMINAL TIME FOR AREA TYPE
1
&NODES               MAXIMUM NUMBER OF NODES IN HWY NET
15000
&UNITS               UNITS PER MILE
5280
&CONFAC              FOR CAPACITY CONSTRAINT
0.10
&CAPFAC              FOR PLOTTING LOS E
0.10
&ITER                MAXIMUM EQUILIBRIUM ITERATIONS
25
&UROADF              UROAD CAPACITY FACTOR
0.75
&DAMPING             DAMPING FACTOR USED TO MINIMIZE TIME MODULATIONS BETWEEN
ITERATION
0.5
&BPRMAX
4.0
&EPS
0.10
&CTOLL               COEFFICIENT OF TOLL FACTOR USED IN TOLL MODEL
0.08
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CONTINUITY
0.10
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CONTINUITY
0.15
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CONTINUITY
1.00
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CONTINUITY
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CONTINUITY
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CONTINUITY
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CONTINUITY
0.20
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CONTINUITY
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0.00
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CONTINUITY
0.00
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CONTINUITY
0.00
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CONTINUITY
0.00
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&MAXTIM
70
&ATITER              NUMBER OF GMODEL ITERATIONS
7
&AOFAC1              AUTO OCC FOR HBW
0.7936
&AOFAC2              AUTO OCC FOR HBSH
0.5747
&AOFAC3              AUTO OCC FOR HBSR
0.5747
&AOFAC4              AUTO OCC FOR HBO
0.5747
&AOFAC5              AUTO OCC FOR NHB
0.5917
&UNCONNECT           MAXIMUM TRANSIT TIME
255
&NUMFARE             MAXIMUM NUMBER OF FARE CATEGORES
8
&HOV                 SWITCH FOR HOV TYPE
TYPE1
&HOV1
HOV LINKS, LINK GROUP 2 = 80-89
&HOV2                IDENTIFIES WHICH HTTAB TRIPS SHOULD BE ASSIGNED
SELECTED PURPOSES = 1-2
&HOV3                FOR PLOTTING AND REPORTING, ADD LOV AND HOV TRIPS TOGETHER
ADD PURPOSES = 1-2
&PERIOD
24
&PLOTTER
HP7586
&PLOTPENS
8
&PLOTSIZE
30
&PAPER
NORMALD
&PLOTFAC
600
&DATA
DATA
&PLOTWIN
PLOTXY.STD
&PLOTWINA
PLOTXYA.STD
&PLOTWINB
PLOTXYB.STD
&PLOTWINC
PLOTXYC.STD
&PLOTWIND
PLOTXYD.STD
&PLOTWINE
PLOTXYE.STD
&PLOTWINF
PLOTXYF.STD
&PLOTWING
PLOTXYG.STD
&PLOTWINH
```

```
PLOTXYH.STD
&CHARHT
0.05
&NAMEB
SOUTH DADE (B)
&NAMEM
MIC/INTERCON (M)
&NAMEP
NORTH/BEACH CORR  (P)
&NAMEQ
EAST/WEST CORRIDOR(Q)
&NAMER
DOWNTOWN MIAMI    (R)
&NAMES
KENDALL/SOUTH CORR(S)
&NAMET
WEST CENTRAL AREA (T)
&NAMEU
NW/PALMETTO CORR  (U)
&NAMEV
I95/NORTH CORRIDOR(V)
&NAMEZ
SUNPIKE/27TH AVE  (Z)
&NAME1
SW (1)
&NAME2
NW (2)
&NAME3
NE (3)
&NAME4
SE (4)
&MAXUTIL
0.75
&QUEMAX
100
&QUELIM
4.9
&NUMFARE
9
&TOLLFM
TOLL FACILITIES MODEL
&MULTSQ
MULTIPLE SERVER QUEUES
&ACCUQT              FLAG FOR USING TOLL FACILTIES MODEL
~ ACCUMULATE QUEUEING TIME
&GMTIME
TIME2
&CITYCODE
MIA
&TITLE
1999 MTPM
&MAXD                Maximum sidewalk area around stations
0.4
&TERM                Auto access terminal time (home end)
2.0
&DEF                 Default auto access time
2.0
```

```
&NOPT                 Usage check on second auto connector
1
&BACK                 Backtrack flag for auto connector
1
&AOC                  Auto operating costs
9.5
&OC3                  Average 3+ auto occupancy
3.20  3.20  3.20  3.20  3.20
&OCTA                 Average park/ride auto occupancy
1.2  1.2  1.2
&TASPD                Average auto access speed
26.0  26.0
&MINRUN1              Minimum walk-to-local run time
3.0
&MINRUN2              Minimum walk-to-premium run time
3.0
&MINRUN3              Minimum auto-to-local run time
30.0
&MINRUN4              Minimum auto-to-premium run time
6.0
&INFL1                Transit fare inflation
1.0
&INFL2                Auto operating cost inflation
1.0
&INFL3                Parking cost inflation
1.0
&MSMIN                Minimum mode split
0.01  0.01  0.01
&HOVUSE               HOV usage flag
2
&HOVMIN               HOV minimum time
3.0
&RAILAC               Station walk access impedance flag
0
&VAL                  Validation summary flag
0
&KRFAC                Kiss/ride additional impedance factor
1.50
&JITNEY               Jitney flag (0=none, 1=base, 2=alt)
1
&VERS                 Model Version (1=standard FSUTMS, 2=Orlando 10 purposes)
1
&DEFMS                Default Regional Mode Splits
0.07770  0.02970  0.02970
&DEFUPD               Update Zonal Default Mode Splits (1=yes, 2=no)
1
&MAXTIM
70
&TRIZONE              TRI RAIL EXTERNAL ZONE
1467
&MAXTIME
120
&ROTANG
270
&PORTRAIT
0
&LANDSCAPE
```

```
0
&ROTANGW

&PLT
plt
&ASCII
YES
&DATABASE             Optional entry to enable database capability
NO
&DBCOUT               When activated, writes database files for TASSIGN
 DBC OUTPUT, INET
&MINUROADFAC          Specifies minimum UROAD factor allowed   (Optional)
0.50
&MAXUROADFAC          Specifies maximum UROAD factor allowed
1.00
&MINCONFAC            Specifies minimum CONFAC factor allowed
0.04
&MAXCONFAC            Specifies maximum CONFAC factor allowed
1.00
&MINBPRCOEFF          Specifies minimum BPR coefficient allowed
0.0
&MAXBPRCOEFF          Specifies maximum BPR coefficient allowed
1.00
&MINBPREXP            Specifies minimum BPR exponent allowed
1.00
&MAXBPREXP            Specifies maximum BPR exponent allowed
10.00
&EMISTABLES           Tables on HTTAB file for intrazonal emissions (default =
1)
1
&ASCII                Outputs file HRLDXY.ASC (similar to NETCARD output)
YES
&VFACTORS             Required entry.  YES must start in column one
YES
&DATABASE             Optional entry to enable database capability
NO
&DBCOUT               When activated, writes database files for TASSIGN
~ DBC OUTPUT, INET
&MINUROADFAC          Specifies minimum UROAD factor allowed   (Optional)
0.50
&MAXUROADFAC          Specifies maximum UROAD factor allowed
1.00
&MINCONFAC            Specifies minimum CONFAC factor allowed
0.04
&MAXCONFAC            Specifies maximum CONFAC factor allowed
1.00
&MINBPRCOEFF          Specifies minimum BPR coefficient allowed
0.0
&MAXBPRCOEFF          Specifies maximum BPR coefficient allowed
1.00
&MINBPREXP            Specifies minimum BPR exponent allowed
1.00
&MAXBPREXP            Specifies maximum BPR exponent allowed
10.00
&EMISTABLES           Tables on HTTAB file for intrazonal emissions (default =
1)
1
```

```
&ASCII                 Outputs file HRLDXY.ASC (similar to NETCARD output)
YES
&MODELCAP
~ MODEL CAPACITY
&COLORS
1,2,3,4,5,6,7,8
&ACTC                REPORT TRANSIT TRIPS=0 for CENTERS, 1 FOR TAZs
1
&KTHROW              ACTIVITY CENTER TEMP FILES, 1=KEEP, 0=DELETE
1
&STDZ2               STANDARD FSUTMSZ2, 1=TRUE, 0=RTA
1
&SELZONE             SELECTED TAZ
1506
&DTBZERO
7000
```

Appendix H

Year 2015 EMIS.OUT and Supporting FSUTMS Reports/Files

YEAR 2015 Emissions Results

YEAR 2015 EMIS.OUT

```
1MOBILE5a FDOT: MIAMI 2015 WITH FSUTMS.V54 (Includes NLEV Starting in 2001)
 MOBILE5a (26-Mar-93)
0
-M153 Error:
 Warning: Refueling emissions in grams-per-gallon are only available using the
120 column descriptive output option (OUTFMT = 3 or 5). See MOBILE5 Users
 Guide chapters 2.1.15, 2.1.19 and 2.1.20 for more information.
0              Emission Factor Modification Profile
+              ____________________________________
0Equation  Reg  Veh  Pol  First MY  Last MY    Base     DR           Altered
+________  ___  ___  ___  ________  _______    ____    ____          _______
     1      1    7    3     1990     1990     11.65     .00            Yes
     2      1    7    3     1991     1997      9.37     .00            Yes
     3      1    7    3     1998     2003      7.49     .00            Yes
     4      1    7    3     2004     2015      3.75     .00            Yes
0MIAMI         FL
                     Minimum Temp: 69. (F)   Maximum Temp: 91. (F)
                     Period 1 RVP:  9.2      Period 2 RVP:  7.8 Period 2 Yr:
1992
0VOC HC emission factors include evaporative HC emission factors.
0_____________________________________________________________________________
_
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2015           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.:  3.0    3.0    3.0           3.0    3.0    3.0    3.0    3.0
   VMT Mix:   .581   .204   .089           .033   .002   .004   .083   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  8.00   9.47  13.88  10.80  13.24   1.10   1.49   4.43  11.68   8.67
 Exhst  HC:  4.69   5.96   9.18   6.93   6.76   1.10   1.49   4.43   8.64   5.39
 Evap.  HC:   .14    .17    .18    .17    .87                         2.63    .18
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:  3.14   3.32   4.50   3.68   5.57                                3.08
 Rsting HC:   .02    .02    .02    .02    .03                           .41    .02
 Exhst  CO: 65.46  70.01 105.38  80.73  70.32   4.40   4.87  34.21 155.56  67.55
 Exhst NOX:  1.63   1.93   2.91   2.23   3.36   1.85   2.08   7.73    .85   2.37


_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2015           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
```

```
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.:  6.0    6.0    6.0           6.0    6.0    6.0    6.0    6.0
   VMT Mix:   .581   .204   .089          .033   .002   .004   .083   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  3.67   4.38   6.48   5.02   7.54    .94   1.28   3.80   8.17   4.21
 Exhst  HC:  2.65   3.31   5.11   3.86   5.17    .94   1.28   3.80   5.13   3.19
 Evap.  HC:   .14    .17    .18    .17    .87                         2.63    .18
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .86    .88   1.17    .97   1.47                                 .83
 Rsting HC:   .02    .02    .02    .02    .03                          .41    .02
 Exhst  CO: 37.32  40.66  61.20  46.88  53.99   3.47   3.83  26.93  84.55  39.83
 Exhst NOX:  1.35   1.60   2.41   1.84   3.46   1.63   1.84   6.83    .75   2.02

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2015           Region: Low           Altitude:  500. Ft.
                     I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.:  9.0    9.0    9.0           9.0    9.0    9.0    9.0    9.0
   VMT Mix:   .581   .204   .089          .033   .002   .004   .083   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  2.64   3.14   4.63   3.59   5.77    .81   1.11   3.29   6.60   3.09
 Exhst  HC:  1.97   2.43   3.75   2.83   4.01    .81   1.11   3.29   3.56   2.40
 Evap.  HC:   .14    .17    .18    .17    .87                         2.63    .18
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .51    .52    .68    .57    .85                                 .49
 Rsting HC:   .02    .02    .02    .02    .03                          .41    .02
 Exhst  CO: 27.94  30.87  46.47  35.60  42.28   2.77   3.07  21.55  54.67  30.10
 Exhst NOX:  1.26   1.49   2.24   1.72   3.56   1.46   1.64   6.10    .71   1.87

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2015           Region: Low           Altitude:  500. Ft.
                     I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 12.0   12.0   12.0          12.0   12.0   12.0   12.0   12.0
```

```
   VMT Mix:   .581   .204   .089          .033   .002   .004   .083   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  2.18   2.57   3.78   2.94   4.71    .71    .97   2.87   5.80   2.55
 Exhst  HC:  1.63   1.99   3.07   2.32   3.16    .71    .97   2.87   2.76   1.99
 Evap.  HC:   .14    .17    .18    .17    .87                         2.63    .18
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .39    .39    .51    .43    .65                                 .37
 Rsting HC:   .02    .02    .02    .02    .03                           .41    .02
 Exhst  CO: 23.25  25.98  39.11  29.96  33.77   2.25   2.49  17.52  39.92  25.04
 Exhst NOX:  1.21   1.43   2.16   1.65   3.67   1.32   1.49   5.53    .70   1.78

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2015           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 15.0   15.0   15.0          15.0   15.0   15.0   15.0   15.0
   VMT Mix:   .581   .204   .089          .033   .002   .004   .083   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.90   2.22   3.27   2.54   3.94    .62    .85   2.52   5.34   2.21
 Exhst  HC:  1.43   1.73   2.66   2.01   2.53    .62    .85   2.52   2.30   1.73
 Evap.  HC:   .14    .17    .18    .17    .87                         2.63    .18
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .31    .31    .40    .34    .51                                 .29
 Rsting HC:   .02    .02    .02    .02    .03                           .41    .02
 Exhst  CO: 20.44  23.05  34.69  26.57  27.51   1.86   2.06  14.49  31.62  21.92
 Exhst NOX:  1.18   1.40   2.11   1.61   3.77   1.21   1.36   5.07    .72   1.71

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2015           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 18.0   18.0   18.0          18.0   18.0   18.0   18.0   18.0
   VMT Mix:   .581   .204   .089          .033   .002   .004   .083   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.70   1.99   2.92   2.27   3.37    .55    .75   2.23   5.05   1.98
 Exhst  HC:  1.29   1.55   2.39   1.80   2.05    .55    .75   2.23   2.01   1.54
```

```
 Evap.  HC:   .14    .17    .18    .17    .87                        2.63    .18
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .25    .25    .33    .27    .42                                .24
 Rsting HC:   .02    .02    .02    .02    .03                          .41    .02
 Exhst  CO: 18.56  21.09  31.75  24.32  22.87   1.57   1.73  12.17  26.36  19.79
 Exhst NOX:  1.16   1.38   2.08   1.59   3.88   1.12   1.27   4.71    .76   1.67

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2015           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                 Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                  Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 21.0   21.0   21.0          21.0   21.0   21.0   21.0   21.0
   VMT Mix:   .581   .204   .089          .033   .002   .004   .083   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.52   1.78   2.61   2.03   2.94    .49    .67   1.99   4.84   1.77
 Exhst  HC:  1.15   1.39   2.14   1.61   1.69    .49    .67   1.99   1.81   1.37
 Evap.  HC:   .14    .17    .18    .17    .87                        2.63    .18
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .21    .21    .28    .23    .35                                .20
 Rsting HC:   .02    .02    .02    .02    .03                          .41    .02
 Exhst  CO: 16.32  18.74  28.22  21.61  19.38   1.34   1.48  10.40  22.64  17.42
 Exhst NOX:  1.17   1.36   2.06   1.57   3.98   1.06   1.19   4.43    .80   1.65

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2015           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                 Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                  Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 24.0   24.0   24.0          24.0   24.0   24.0   24.0   24.0
   VMT Mix:   .581   .204   .089          .033   .002   .004   .083   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.36   1.61   2.35   1.83   2.62    .44    .60   1.79   4.69   1.58
 Exhst  HC:  1.01   1.24   1.91   1.44   1.41    .44    .60   1.79   1.65   1.22
 Evap.  HC:   .14    .17    .18    .17    .87                        2.63    .18
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .18    .18    .24    .20    .31                                .17
 Rsting HC:   .02    .02    .02    .02    .03                          .41    .02
 Exhst  CO: 13.86  16.12  24.27  18.59  16.76   1.16   1.29   9.03  19.78  14.89
```

```
 Exhst NOX:  1.19   1.37   2.06   1.58   4.08   1.01   1.14   4.22    .85   1.65

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2015           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 27.0   27.0   27.0          27.0   27.0   27.0   27.0   27.0
   VMT Mix:   .581   .204   .089          .033   .002   .004   .083   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.23   1.47   2.14   1.67   2.38    .40    .55   1.63   4.55   1.44
 Exhst  HC:   .91   1.12   1.73   1.30   1.20    .40    .55   1.63   1.52   1.09
 Evap.  HC:   .14    .17    .18    .17    .87                         2.63    .18
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .16    .16    .22    .18    .27                                 .15
 Rsting HC:   .02    .02    .02    .02    .03                          .41    .02
 Exhst  CO: 11.95  14.08  21.20  16.24  14.78   1.03   1.13   7.97  17.43  12.93
 Exhst NOX:  1.20   1.37   2.07   1.58   4.19    .97   1.10   4.08    .90   1.65

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2015           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 30.0   30.0   30.0          30.0   30.0   30.0   30.0   30.0
   VMT Mix:   .581   .204   .089          .033   .002   .004   .083   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.13   1.36   1.98   1.55   2.18    .37    .50   1.49   4.44   1.33
 Exhst  HC:   .82   1.03   1.58   1.20   1.03    .37    .50   1.49   1.40    .99
 Evap.  HC:   .14    .17    .18    .17    .87                         2.63    .18
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .14    .14    .19    .16    .25                                 .14
 Rsting HC:   .02    .02    .02    .02    .03                          .41    .02
 Exhst  CO: 10.41  12.45  18.74  14.36  13.29    .92   1.02   7.15  15.47  11.36
 Exhst NOX:  1.21   1.37   2.07   1.58   4.29    .95   1.07   3.98    .94   1.65

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
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0User supplied  basic exhaust emissions rates.
0Cal. Year: 2015           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 33.0   33.0   33.0          33.0   33.0   33.0   33.0   33.0
   VMT Mix:   .581   .204   .089          .033   .002   .004   .083   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.04   1.27   1.84   1.45   2.03    .34    .46   1.37   4.34   1.23
 Exhst  HC:   .75    .95   1.47   1.11    .90    .34    .46   1.37   1.30    .91
 Evap.  HC:   .14    .17    .18    .17    .87                         2.63    .18
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .13    .13    .18    .14    .22                                .12
 Rsting HC:   .02    .02    .02    .02    .03                           .41    .02
 Exhst  CO:  9.16  11.12  16.73  12.82  12.20    .84    .93   6.52  13.82  10.08
 Exhst NOX:  1.22   1.37   2.07   1.59   4.40    .94   1.06   3.95    .98   1.66

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2015           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 36.0   36.0   36.0          36.0   36.0   36.0   36.0   36.0
   VMT Mix:   .581   .204   .089          .033   .002   .004   .083   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .97   1.20   1.73   1.36   1.91    .31    .43   1.27   4.26   1.15
 Exhst  HC:   .69    .89   1.37   1.03    .80    .31    .43   1.27   1.22    .84
 Evap.  HC:   .14    .17    .18    .17    .87                         2.63    .18
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .12    .12    .16    .13    .20                                .11
 Rsting HC:   .02    .02    .02    .02    .03                           .41    .02
 Exhst  CO:  8.11  10.00  15.06  11.54  11.41    .78    .86   6.05  12.46   9.03
 Exhst NOX:  1.23   1.38   2.08   1.59   4.50    .94   1.07   3.96   1.01   1.67

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2015           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
```

```
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 39.0   39.0   39.0          39.0   39.0   39.0   39.0   39.0
   VMT Mix:   .581   .204   .089          .033   .002   .004   .083   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .91   1.13   1.64   1.29   1.81    .29    .40   1.19   4.19   1.09
 Exhst  HC:   .64    .83   1.29    .97    .72    .29    .40   1.19   1.16    .79
 Evap.  HC:   .14    .17    .18    .17    .87                         2.63    .18
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .11    .11    .15    .12    .19                                 .10
 Rsting HC:   .02    .02    .02    .02    .03                           .41    .02
 Exhst  CO:  7.23   9.06  13.64  10.45  10.90    .73    .81   5.70  11.39   8.15
 Exhst NOX:  1.24   1.38   2.08   1.59   4.61    .96   1.08   4.02   1.03   1.68

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2015           Region: Low           Altitude:  500. Ft.
                     I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 42.0   42.0   42.0          42.0   42.0   42.0   42.0   42.0
   VMT Mix:   .581   .204   .089          .033   .002   .004   .083   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .86   1.08   1.55   1.22   1.73    .28    .38   1.12   4.14   1.03
 Exhst  HC:   .60    .79   1.22    .92    .66    .28    .38   1.12   1.11    .74
 Evap.  HC:   .14    .17    .18    .17    .87                         2.63    .18
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .10    .10    .14    .11    .17                                 .09
 Rsting HC:   .02    .02    .02    .02    .03                           .41    .02
 Exhst  CO:  6.47   8.26  12.43   9.52  10.61    .70    .78   5.46  10.57   7.40
 Exhst NOX:  1.24   1.38   2.08   1.59   4.71    .99   1.11   4.14   1.05   1.70

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2015           Region: Low           Altitude:  500. Ft.
                     I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
```

```
 Veh. Spd.: 45.0   45.0   45.0          45.0   45.0   45.0   45.0   45.0
   VMT Mix:   .581   .204   .089          .033   .002   .004   .083   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .81   1.03   1.48   1.17   1.67    .26    .36   1.07   4.11    .98
 Exhst  HC:   .56    .75   1.15    .87    .61    .26    .36   1.07   1.07    .70
 Evap.  HC:   .14    .17    .18    .17    .87                         2.63    .18
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .09    .09    .13    .10    .16                                 .09
 Rsting HC:   .02    .02    .02    .02    .03                            .41    .02
 Exhst  CO:  5.81   7.56  11.38   8.71  10.54    .68    .76   5.32   9.96   6.77
 Exhst NOX:  1.25   1.38   2.08   1.59   4.81   1.03   1.16   4.31   1.07   1.72

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2015           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 48.0   48.0   48.0          48.0   48.0   48.0   48.0   48.0
   VMT Mix:   .581   .204   .089          .033   .002   .004   .083   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .77    .99   1.42   1.12   1.62    .25    .34   1.02   4.09    .94
 Exhst  HC:   .53    .71   1.10    .83    .58    .25    .34   1.02   1.05    .66
 Evap.  HC:   .14    .17    .18    .17    .87                         2.63    .18
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .08    .09    .12    .09    .14                                 .08
 Rsting HC:   .02    .02    .02    .02    .03                            .41    .02
 Exhst  CO:  5.24   6.95  10.45   8.01  10.67    .68    .75   5.27   9.50   6.22
 Exhst NOX:  1.25   1.38   2.08   1.59   4.92   1.09   1.22   4.55   1.09   1.74

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2015           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 51.0   51.0   51.0          51.0   51.0   51.0   51.0   51.0
   VMT Mix:   .581   .204   .089          .033   .002   .004   .083   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .76    .98   1.41   1.11   1.58    .24    .33    .99   4.09    .92
```

```
 Exhst  HC:   .53    .71   1.10    .83    .55    .24    .33    .99   1.05    .66
 Evap.  HC:   .14    .17    .18    .17    .87                         2.63    .18
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .07    .08    .10    .08    .13                                .07
 Rsting HC:   .02    .02    .02    .02    .03                           .41    .02
 Exhst  CO:  5.24   6.95  10.45   8.01  11.03    .68    .75   5.30   9.50   6.24
 Exhst NOX:  1.36   1.53   2.31   1.77   5.02   1.16   1.31   4.86   1.20   1.89

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2015           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 54.0   54.0   54.0          54.0   54.0   54.0   54.0   54.0
   VMT Mix:   .581   .204   .089          .033   .002   .004   .083   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .76    .97   1.40   1.10   1.55    .24    .32    .96   4.09    .91
 Exhst  HC:   .53    .71   1.10    .83    .54    .24    .32    .96   1.05    .66
 Evap.  HC:   .14    .17    .18    .17    .87                         2.63    .18
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .06    .07    .09    .08    .11                                .06
 Rsting HC:   .02    .02    .02    .02    .03                           .41    .02
 Exhst  CO:  5.24   6.95  10.45   8.01  11.62    .70    .77   5.42   9.50   6.27
 Exhst NOX:  1.47   1.69   2.55   1.95   5.13   1.26   1.42   5.27   1.30   2.04

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2015           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 57.0   57.0   57.0          57.0   57.0   57.0   57.0   57.0
   VMT Mix:   .581   .204   .089          .033   .002   .004   .083   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .79   1.01   1.45   1.14   1.53    .23    .32    .95   4.24    .94
 Exhst  HC:   .57    .75   1.16    .88    .53    .23    .32    .95   1.20    .69
 Evap.  HC:   .14    .17    .18    .17    .87                         2.63    .18
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .06    .06    .08    .07    .10                                .06
 Rsting HC:   .02    .02    .02    .02    .03                           .41    .02
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```
 Exhst  CO:  6.20   8.07  12.14   9.30  12.49    .73    .80   5.64  14.07   7.27
 Exhst NOX:  1.58   1.84   2.78   2.12   5.23   1.38   1.56   5.78   1.41   2.20

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2015           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 60.0   60.0   60.0          60.0   60.0   60.0   60.0   60.0
   VMT Mix:   .581   .204   .089          .033   .002   .004   .083   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .84   1.06   1.53   1.20   1.52    .23    .32    .94   4.47    .99
 Exhst  HC:   .63    .81   1.25    .95    .53    .23    .32    .94   1.43    .74
 Evap.  HC:   .14    .17    .18    .17    .87                         2.63    .18
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .05    .06    .08    .06    .09                                 .05
 Rsting HC:   .02    .02    .02    .02    .03                          .41    .02
 Exhst  CO:  7.64   9.75  14.68  11.24  13.70    .77    .85   5.96  20.93   8.77
 Exhst NOX:  1.68   1.99   3.01   2.30   5.33   1.53   1.73   6.42   1.52   2.38

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2015           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 63.0   63.0   63.0          63.0   63.0   63.0   63.0   63.0
   VMT Mix:   .581   .204   .089          .033   .002   .004   .083   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .89   1.11   1.61   1.26   1.52    .23    .31    .93   4.69   1.04
 Exhst  HC:   .68    .87   1.34   1.02    .54    .23    .31    .93   1.66    .80
 Evap.  HC:   .14    .17    .18    .17    .87                         2.63    .18
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .05    .05    .07    .06    .08                                 .05
 Rsting HC:   .02    .02    .02    .02    .03                          .41    .02
 Exhst  CO:  9.08  11.43  17.21  13.18  15.32    .82    .91   6.40  27.79  10.30
 Exhst NOX:  1.79   2.15   3.24   2.48   5.44   1.72   1.94   7.22   1.62   2.56

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
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```
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2015           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 65.0   65.0   65.0          65.0   65.0   65.0   65.0   65.0
   VMT Mix:   .581   .204   .089          .033   .002   .004   .083   .005
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .93   1.15   1.67   1.31   1.53    .23    .32    .94   4.84   1.08
 Exhst  HC:   .72    .91   1.41   1.06    .55    .23    .32    .94   1.81    .84
 Evap.  HC:   .14    .17    .18    .17    .87                         2.63    .18
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .04    .05    .06    .05    .08                                .04
 Rsting HC:   .02    .02    .02    .02    .03                           .41    .02
 Exhst  CO: 10.04  12.55  18.90  14.48  16.69    .87    .96   6.77  32.36  11.33
 Exhst NOX:  1.86   2.25   3.40   2.60   5.51   1.88   2.12   7.87   1.69   2.69


_____________________________________________________________________________
_ FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 10:15:10  10DEC01

 INPUT CARD ECHO

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

SCENARIO  1        MOBILE.TEM
THE FOLLOWING IS A MATRIX WHICH ASSIGNS A SCENARIO TO EACH FT/AT COMBINATION
AT=>     1     2     3     4     5
_____________________________________
FT |
 1 |     1     1     1     1     1
 2 |     1     1     1     1     1
 3 |     1     1     1     1     1
 4 |     1     1     1     1     1
 5 |     1     1     1     1     1
 6 |     1     1     1     1     1
 7 |     1     1     1     1     1
 8 |     1     1     1     1     1
 9 |     1     1     1     1     1

INPUT COORDINATE SCALE(UNITS) FROM PROFILE.MAS IS   5280
 ***INFO*** ALL REPORT VALUES ARE BEING ADJUSTED BY A FACTOR 0F 0.9557
_ FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 10:15:11  10DEC01

 EMISSIONS IN GRAMS PER DAY

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557
```

- -

GEOGRAPHIC LOCATION NO 1

INFO all reported values have been adjusted by EMISFAC = 0.9557

FT	AT	TOTAL VOC	EXHAUST HC	EVAPORATE HC	REFUELING HC	RUN LOSS HC	EXHAUST CO	EXHAUST NOx
1	1	415864.	304931.	63806.	0.	40037.	3300789.	591475.
1	2	98761.	72645.	15009.	0.	9495.	787884.	139734.
1	3	7821085.	5760222.	1028028.	0.	936142.	64821636.	9682024.
1	4	5902698.	4441217.	755679.	0.	631769.	51529168.	7039171.
1	5	373101.	284194.	43465.	0.	40621.	3452160.	403047.
2	1	442988.	344558.	33576.	0.	62085.	4345441.	326141.
2	2	17901.	13594.	2160.	0.	1916.	163208.	19882.
2	3	16299417.	12501464.	1700282.	0.	1937216.	153566320.	15801851.
2	4	16411765.	12643226.	1527164.	0.	2106373.	157366160.	14362734.
2	5	554798.	404561.	96221.	0.	47304.	4123663.	986544.
3	1	327468.	248380.	25037.	0.	51754.	3151753.	239947.
3	2	4526.	3503.	464.	0.	515.	44137.	4263.
3	3	5243570.	4029056.	510313.	0.	657191.	49969908.	4769795.
3	4	3086146.	2340854.	262702.	0.	459578.	29218532.	2495817.
3	5	552607.	400888.	91289.	0.	51320.	4155501.	856156.
4	1	155038.	120795.	12084.	0.	21163.	1531751.	116223.
4	2	24379.	18968.	1873.	0.	3389.	240022.	18072.
4	3	6588265.	5049262.	665020.	0.	813148.	62229400.	6196415.
4	4	2206625.	1690165.	210694.	0.	286641.	20923202.	1976254.
4	5	754678.	543532.	113084.	0.	85831.	5799938.	1063405.
5	1	127818.	99289.	7513.	0.	20206.	1245427.	77852.
5	2	8436.	6589.	615.	0.	1202.	82974.	6032.
5	3	3788714.	2952700.	330918.	0.	480623.	37327432.	3134627.
5	4	2239548.	1751957.	184475.	0.	292219.	22197612.	1751591.
5	5	347374.	267562.	45347.	0.	30485.	3339678.	505695.
6	1	459980.	355997.	33838.	0.	67570.	4503264.	328972.
6	2	16540.	12693.	1437.	0.	2278.	157171.	13742.
6	3	452977.	349262.	44883.	0.	54557.	4336878.	418843.
6	4	992636.	759016.	81599.	0.	145388.	9515731.	779158.
7	1	196730.	149739.	12960.	0.	33015.	1887090.	128957.
7	2	65985.	50433.	5411.	0.	9597.	640039.	51310.
7	3	1704959.	1278207.	128888.	0.	286078.	15881204.	1254398.
7	4	1264920.	962937.	104843.	0.	187434.	11918382.	1010684.
7	5	41456.	31228.	5074.	0.	4679.	360133.	47771.
8	3	635163.	471894.	89922.	0.	65038.	5253169.	872416.
8	4	36953.	27965.	4579.	0.	3998.	330572.	43291.
9	3	3366225.	2418491.	553831.	0.	349923.	25117584.	5582695.
9	4	118403.	87170.	20038.	0.	9738.	919803.	215761.
9	5	585646.	434083.	108239.	0.	34206.	4874268.	1367565.
GL TOTAL		83731984.	63683348.	8922367.	0.	10321764.	770607872.	84680272.
(TONS)		92.22	70.14	9.83	0.00	11.37	848.69	93.26

_ FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
- RUN TIME: 10:15:11 10DEC01

EMISSIONS IN GRAMS PER DAY

```
 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
ALL GEOGRAPHIC LOCATIONS
           TOTAL   EXHAUST EVAPORATE REFUELING  RUN LOSS   EXHAUST   EXHAUST
 FT  AT     VOC         HC        HC        HC        HC        CO       NOx
_____________________________________________________________________________________

  1  1     415864.   304931.    63806.        0.    40037.  3300789.   591475.
  1  2      98761.    72645.    15009.        0.     9495.   787884.   139734.
  1  3    7821085.  5760222.  1028028.        0.   936142. 64821636.  9682024.
  1  4    5902698.  4441217.   755679.        0.   631769. 51529168.  7039171.
  1  5     373101.   284194.    43465.        0.    40621.  3452160.   403047.
  2  1     442988.   344558.    33576.        0.    62085.  4345441.   326141.
  2  2      17901.    13594.     2160.        0.     1916.   163208.    19882.
  2  3   16299417. 12501464.  1700282.        0.  1937216.153566320. 15801851.
  2  4   16411765. 12643226.  1527164.        0.  2106373.157366160. 14362734.
  2  5     554798.   404561.    96221.        0.    47304.  4123663.   986544.
  3  1     327468.   248380.    25037.        0.    51754.  3151753.   239947.
  3  2       4526.     3503.      464.        0.      515.    44137.     4263.
  3  3    5243570.  4029056.   510313.        0.   657191. 49969908.  4769795.
  3  4    3086146.  2340854.   262702.        0.   459578. 29218532.  2495817.
  3  5     552607.   400888.    91289.        0.    51320.  4155501.   856156.
  4  1     155038.   120795.    12084.        0.    21163.  1531751.   116223.
  4  2      24379.    18968.     1873.        0.     3389.   240022.    18072.
  4  3    6588265.  5049262.   665020.        0.   813148. 62229400.  6196415.
  4  4    2206625.  1690165.   210694.        0.   286641. 20923202.  1976254.
  4  5     754678.   543532.   113084.        0.    85831.  5799938.  1063405.
  5  1     127818.    99289.     7513.        0.    20206.  1245427.    77852.
  5  2       8436.     6589.      615.        0.     1202.    82974.     6032.
  5  3    3788714.  2952700.   330918.        0.   480623. 37327432.  3134627.
  5  4    2239548.  1751957.   184475.        0.   292219. 22197612.  1751591.
  5  5     347374.   267562.    45347.        0.    30485.  3339678.   505695.
  6  1     459980.   355997.    33838.        0.    67570.  4503264.   328972.
  6  2      16540.    12693.     1437.        0.     2278.   157171.    13742.
  6  3     452977.   349262.    44883.        0.    54557.  4336878.   418843.
  6  4     992636.   759016.    81599.        0.   145388.  9515731.   779158.
  7  1     196730.   149739.    12960.        0.    33015.  1887090.   128957.
  7  2      65985.    50433.     5411.        0.     9597.   640039.    51310.
  7  3    1704959.  1278207.   128888.        0.   286078. 15881204.  1254398.
  7  4    1264920.   962937.   104843.        0.   187434. 11918382.  1010684.
  7  5      41456.    31228.     5074.        0.     4679.   360133.    47771.
  8  3     635163.   471894.    89922.        0.    65038.  5253169.   872416.
  8  4      36953.    27965.     4579.        0.     3998.   330572.    43291.
  9  3    3366225.  2418491.   553831.        0.   349923. 25117584.  5582695.
  9  4     118403.    87170.    20038.        0.     9738.   919803.   215761.
  9  5     585646.   434083.   108239.        0.    34206.  4874268.  1367565.
  SUM    83731984. 63683348.  8922367.        0. 10321764.770607872. 84680272.
(TONS)       92.22     70.14      9.83     0.00     11.37    848.69     93.26
_ FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 10:15:11  10DEC01

 EMISSIONS IN GRAMS PER DAY

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557
```

FACILITY TYPE	TOTAL VOC	EXHAUST HC	EVAPORATE HC	REFUELING HC	RUN LOSS HC	EXHAUST CO	EXHAUST NOx
1	14611510.	10863214.	1905987.	0.	1658063.	123891632.	17855448.
2	33726872.	25907384.	3359409.	0.	4154892.	319564512.	31497158.
3	9214308.	7022683.	889806.	0.	1220358.	86539880.	8365977.
4	9728977.	7422734.	1002755.	0.	1210173.	90724200.	9370379.
5	6511871.	5078101.	568866.	0.	824735.	64193100.	5475799.
6	1922133.	1476967.	161757.	0.	269793.	18513040.	1540716.
7	3274048.	2472543.	257177.	0.	520803.	30686814.	2493120.
8	672116.	499859.	94501.	0.	69036.	5583742.	915707.
9	4070274.	2939745.	682108.	0.	393867.	30911654.	7166015.
SUM	83731984.	63683348.	8922367.	0.	10321764.	770607872.	84680272.
(TONS)	92.22	70.14	9.83	0.00	11.37	848.69	93.26

AREA TYPE	TOTAL VOC	EXHAUST HC	EVAPORATE HC	REFUELING HC	RUN LOSS HC	EXHAUST CO	EXHAUST NOx
1	2125888.	1623689.	188815.	0.	295831.	19965500.	1809568.
2	236528.	178426.	26969.	0.	28392.	2115436.	253036.
3	45900316.	34810516.	5052065.	0.	5579904.	418502688.	47713180.
4	32259656.	24704552.	3151775.	0.	4123136.	303918880.	29674436.
5	3209657.	2366049.	502720.	0.	294446.	26105328.	5230181.
SUM	83731984.	63683348.	8922367.	0.	10321764.	770607872.	84680272.
(TONS)	92.22	70.14	9.83	0.00	11.37	848.69	93.26

NUMBER LANES	TOTAL VOC	EXHAUST HC	EVAPORATE HC	REFUELING HC	RUN LOSS HC	EXHAUST CO	EXHAUST NOx
1	21567232.	16487067.	1965940.	0.	2946192.	204269136.	18717480.
2	27468178.	21021120.	2862836.	0.	3323497.	257448496.	27141700.
3	25241404.	19210344.	2793729.	0.	2986227.	230762912.	26630058.
4	5394307.	3948025.	712269.	0.	663201.	44486732.	6687816.
5	3820437.	2842332.	547534.	0.	380783.	31843640.	5127533.
6	240656.	174323.	40062.	0.	21820.	1798212.	375648.
SUM	83731984.	63683348.	8922367.	0.	10321764.	770607872.	84680272.
(TONS)	92.22	70.14	9.83	0.00	11.37	848.69	93.26

_ FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
- RUN TIME: 10:15:11 10DEC01

DAILY VEHICLE MILES

INFO all reported values have been adjusted by EMISFAC = 0.9557

- -

DAILY VMT - GEOGRAPHIC LOCATION NO 1:

INFO all reported values have been adjusted by EMISFAC = 0.9557

```
 FT             1         2         3         4         5     TOTAL
_____________________________________________________________________________

            ---------------- AREA TYPES -----------------
  1        354480.    83385.  5870337.  4198215.   241473. 10747891.
  2        186534.    12000.  9467835.  8508929.   534563. 18709860.
  3        139096.     2576.  2835072.  1459457.   507161.  4943362.
  4         67133.    10403.  3694558.  1174223.   628243.  5574561.
  5         41737.     3415.  1838432.  1024861.   317563.  3226007.
  6        187989.     7986.   249347.   453328.        0.   898650.
  7         72001.    30062.   730983.   584686.    28190.  1445923.
  8             0.        0.   499566.    25438.        0.   525003.
  9             0.        0.  3113778.   111369.   611149.  3836296.

GL TOTAL  1048969.   149827. 28299948. 17540546.  2868347. 49907636.
_ FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 10:15:11  10DEC01

 DAILY VEHICLE MILES

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
DAILY VMT - ALL GEOGRAPHIC LOCATIONS
            ---------------- AREA TYPES -----------------
 FT             1         2         3         4         5     TOTAL
_____________________________________________________________________________

  1        354480.    83385.  5870337.  4198215.   241473. 10747891.
  2        186534.    12000.  9467835.  8508929.   534563. 18709860.
  3        139096.     2576.  2835072.  1459457.   507161.  4943362.
  4         67133.    10403.  3694558.  1174223.   628243.  5574561.
  5         41737.     3415.  1838432.  1024861.   317563.  3226007.
  6        187989.     7986.   249347.   453328.        0.   898650.
  7         72001.    30062.   730983.   584686.    28190.  1445923.
  8             0.        0.   499566.    25438.        0.   525003.
  9             0.        0.  3113778.   111369.   611149.  3836296.

 TOTAL    1048969.   149827. 28299948. 17540546.  2868347. 49907636.
--------------------
 DAILY VMT
FACILITY
    TYPE
____________________

     1   10747883.
     2   18709922.
     3    4943363.
     4    5574562.
     5    3226005.
     6     898651.
     7    1445923.
     8     525003.
     9    3836297.

 TOTAL   49907396.
```

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--------------------
 DAILY VMT
    AREA
    TYPE
____________________

     1    1048969.
     2     149827.
     3   28299948.
     4   17540546.
     5    2868347.

 TOTAL   49907396.
-------------------------------------------------------------------------------
 DAILY VMT
  NUMBER
   LANES
____________________

     1   10949041.
     2   15944470.
     3   15724209.
     4    4025459.
     5    3041853.
     6     222565.

 TOTAL   49907396.
_ FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 10:15:11  10DEC01

 DAILY VEHICLE HOURS

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
DAILY VHT - GEOGRAPHIC LOCATION NO      1

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 FT             1         2         3         4         5     TOTAL
_______________________________________________________________________________

            ---------------- AREA TYPES -----------------
  1         10069.     2395.   620259.   153838.     9762.   796323.
  2         14031.      465.   464389.   489546.    12585.   981017.
  3          9994.      122.   149459.    92816.    13033.   265425.
  4          4789.      757.   185073.    65246.    19029.   274894.
  5          4572.      273.   110259.    67132.     8949.   191186.
  6         14562.      504.    12781.    30324.        0.    58172.
  7          6403.     1956.    64774.    40837.     1119.   115088.
  8             0.        0.    16021.      960.        0.    16981.
  9             0.        0.   118552.     2654.    15772.   136978.

GL TOTAL    64421.     6473.  1741571.   943355.    80249.  2836068.
_ FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
```

```
  -  RUN TIME: 10:15:11  10DEC01

 DAILY VEHICLE HOURS

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
DAILY VHT - ALL GEOGRAPHIC LOCATIONS
            ---------------- AREA TYPES -----------------
 FT             1         2         3         4         5     TOTAL
_____________________________________________________________________________________

  1         10069.     2395.   620259.   153838.     9762.   796323.
  2         14031.      465.   464389.   489546.    12585.   981017.
  3          9994.      122.   149459.    92816.    13033.   265425.
  4          4789.      757.   185073.    65246.    19029.   274894.
  5          4572.      273.   110259.    67132.     8949.   191186.
  6         14562.      504.    12781.    30324.        0.    58172.
  7          6403.     1956.    64774.    40837.     1119.   115088.
  8             0.        0.    16021.      960.        0.    16981.
  9             0.        0.   118552.     2654.    15772.   136978.

 TOTAL      64421.     6473.  1741571.   943355.    80249.  2836068.
--------------------
 DAILY VHT
FACILITY
    TYPE
_____________________

     1     796324.
     2     981018.
     3     265425.
     4     274894.
     5     191186.
     6      58172.
     7     115088.
     8      16981.
     9     136978.

 TOTAL    2836057.
--------------------
 DAILY VHT
    AREA
    TYPE
_____________________

     1      64421.
     2       6473.
     3    1741571.
     4     943355.
     5      80249.

 TOTAL    2836057.
--------------------
 DAILY VHT
  NUMBER
   LANES
```

```
_____________________

     1     657245.
     2     791838.
     3    1143608.
     4     143318.
     5      94394.
     6       5661.

 TOTAL    2836057.
_ FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 10:15:11  10DEC01

 AVERAGE CONGESTED SPEED (mph)

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
AVERAGE SPEED - GEOGRAPHIC LOCATION NO      1

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 FT             1         2         3         4         5
_____________________________________________________________________________

            ---------------- AREA TYPES -----------------
  1          35.21     34.82      9.46     27.29     24.74
  2          13.29     25.78     20.39     17.38     42.48
  3          13.92     21.13     18.97     15.72     38.91
  4          14.02     13.74     19.96     18.00     33.02
  5           9.13     12.49     16.67     15.27     35.49
  6          12.91     15.84     19.51     14.95      0.00
  7          11.24     15.37     11.29     14.32     25.20
  8           0.00      0.00     31.18     26.50      0.00
  9           0.00      0.00     26.27     41.96     38.75

GL TOTAL     16.28     23.15     16.25     18.59     35.74
_ FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 10:15:11  10DEC01

 AVERAGE CONGESTED SPEED (mph)

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
AVERAGE SPEED - ALL GEOGRAPHIC LOCATIONS
            ---------------- AREA TYPES -----------------
 FT             1         2         3         4         5
_____________________________________________________________________________

  1          35.21     34.82      9.46     27.29     24.74
  2          13.29     25.78     20.39     17.38     42.48
  3          13.92     21.13     18.97     15.72     38.91
  4          14.02     13.74     19.96     18.00     33.02
  5           9.13     12.49     16.67     15.27     35.49
```

6	12.91	15.84	19.51	14.95	0.00
7	11.24	15.37	11.29	14.32	25.20
8	0.00	0.00	31.18	26.50	0.00
9	0.00	0.00	26.27	41.96	38.75
TOTAL	16.28	23.15	16.25	18.59	35.74

AVERAGE SPEED

FACILITY TYPE	
1	13.50
2	19.07
3	18.62
4	20.28
5	16.87
6	15.45
7	12.56
8	30.92
9	28.01
TOTAL	17.60

AVERAGE SPEED

AREA TYPE	
1	16.28
2	23.15
3	16.25
4	18.59
5	35.74
TOTAL	17.60

AVERAGE SPEED

NUMBER LANES	
1	16.66
2	20.14
3	13.75
4	28.09
5	32.23
6	39.32
TOTAL	17.60

YEAR 2015 EMISSYN.15A

```
SCENARIO  1        MOBILE.TEM
THE FOLLOWING IS A MATRIX WHICH ASSIGNS A SCENARIO TO EACH FT/AT COMBINATION
AT=>     1     2     3     4     5
_____________________________________
FT |
 1 |     1     1     1     1     1
 2 |     1     1     1     1     1
 3 |     1     1     1     1     1
 4 |     1     1     1     1     1
 5 |     1     1     1     1     1
 6 |     1     1     1     1     1
 7 |     1     1     1     1     1
 8 |     1     1     1     1     1
 9 |     1     1     1     1     1
```

YEAR 2015 HEVAL.OUT

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_
   FLORIDA D.O.T.         Miami-Dade      2015 MODEL
PAGE NO.     1
       FSUTMS                                    HIGHWAY ASSIGNMENT
DATE   10DEC01
      VER 5.40
TIME  08:56:56

 "HELABELS.SYN" CONTENTS:

          LABEL FT 11  1  1 FREEWAY  FREEWAY
          LABEL FT 12  1  1
          LABEL FT 15  1  1
          LABEL FT 16  1  1
          LABEL FT 17  1  1
          LABEL FT 21  2  2 D. ART   DIV. ARTERIAL
          LABEL FT 22  2  2
          LABEL FT 23  2  2
          LABEL FT 24  2  2
          LABEL FT 25  2  2
          LABEL FT 31  3  3 U. ART   UNDIV. ARTERIAL
          LABEL FT 32  3  3
          LABEL FT 33  3  3
          LABEL FT 34  3  3
          LABEL FT 35  3  3
          LABEL FT 36  3  3
          LABEL FT 37  3  3
          LABEL FT 38  3  3
          LABEL FT 41  4  4 COLLCTR  COLLECTOR
          LABEL FT 42  4  4
          LABEL FT 43  4  4
          LABEL FT 44  4  4
          LABEL FT 45  4  4
          LABEL FT 46  4  4
          LABEL FT 47  4  4
          LABEL FT 48  4  4
          LABEL FT 51  5  5 LOCAL    CENTROID CONN.
          LABEL FT 52  5  5
          LABEL FT 61  6  6 1 WAY    ONE WAY
          LABEL FT 62  6  6
          LABEL FT 63  6  6
          LABEL FT 64  6  6
          LABEL FT 65  6  6
          LABEL FT 66  6  6
          LABEL FT 67  6  6
          LABEL FT 68  6  6
          LABEL FT 71  7  7 RAMP     RAMPS
          LABEL FT 72  7  7
          LABEL FT 73  7  7
          LABEL FT 74  7  7
          LABEL FT 75  7  7
          LABEL FT 76  7  7
          LABEL FT 77  7  7
          LABEL FT 78  7  7
          LABEL FT 79  7  7
          LABEL FT 81  8  8 HOV      HOV
          LABEL FT 82  8  8
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          LABEL FT 83  8  8
          LABEL FT 84  8  8

 _
   FLORIDA D.O.T.         Miami-Dade      2015 MODEL
PAGE NO.     2
       FSUTMS                                  HIGHWAY ASSIGNMENT
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 "HELABELS.SYN" CONTENTS:

          LABEL FT 85  8  8
          LABEL FT 86  8  8
          LABEL FT 87  8  8
          LABEL FT 88  8  8
          LABEL FT 89  8  8
          LABEL FT 91  9  9 TOLL     TOLL
          LABEL FT 92  9  9
          LABEL FT 93  9  9
          LABEL FT 94  9  9
          LABEL FT 95  9  9
          LABEL FT 96  9  9
          LABEL FT 97  9  9
          LABEL FT 98  9  9
          LABEL FT 99  9  9
          LABEL AT 11  1  1 CBD      CBD
          LABEL AT 12  1  1
          LABEL AT 13  1  1
          LABEL AT 14  1  1
          LABEL AT 21  2  2 FRINGE   FRINGE
          LABEL AT 31  3  3 RESID.   RESIDENTIAL
          LABEL AT 32  3  3
          LABEL AT 33  3  3
          LABEL AT 34  3  3
          LABEL AT 41  4  4 OBD      OBD
          LABEL AT 42  4  4
          LABEL AT 43  4  4
          LABEL AT 44  4  4
          LABEL AT 51  5  5 RURAL    RURAL
          LABEL AT 52  5  5

 _
   FLORIDA D.O.T.         Miami-Dade      2015 MODEL
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       FSUTMS                                  HIGHWAY ASSIGNMENT
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 FACILITY TYPES SELECTED:




 FACILITY TYPES SKIPPED:

             1   2   3   4   5   6   7   8   9  10
```

```
 11  12  13  14  15  16  17  18  19  20
 21  22  23  24  25  26  27  28  29  30
 31  32  33  34  35  36  37  38  39  40
 41  42  43  44  45  46  47  48  49  50
 51  52  53  54  55  56  57  58  59  60
 61  62  63  64  65  66  67  68  69  70
 71  72  73  74  75  76  77  78  79  80
 81  82  83  84  85  86  87  88  89  90
 91  92  93  94  95  96  97  98  99
```

AREA TYPES SELECTED:

AREA TYPES SKIPPED:

```
  1   2   3   4   5   6   7   8   9  10
 11  12  13  14  15  16  17  18  19  20
 21  22  23  24  25  26  27  28  29  30
 31  32  33  34  35  36  37  38  39  40
 41  42  43  44  45  46  47  48  49  50
 51  52  53  54  55  56  57  58  59  60
 61  62  63  64  65  66  67  68  69  70
 71  72  73  74  75  76  77  78  79  80
 81  82  83  84  85  86  87  88  89  90
 91  92  93  94  95  96  97  98  99
```

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***    *** ********** ***    ***  ********  ***
***    *** ********** ***    *** ********** ***
***    *** ***         ***  ***  ***    *** ***
********** ******      ***  ***  ********** ***
********** ******       ******   ********** ***
***    *** ***           ****    ***    *** ***
***    *** **********    ****    ***    *** **********
***    *** **********     **     ***    *** **********
```

(CONTACT DATA MANAGER (BMMP) 904-488-4640 IF YOU HAVE QUESTIONS)

```
 ****   *****   ****   ****  ****   *****  ****   *****  *****   ***   *   *
*   *  *      *      *      *   *    *    *   *    *      *    *  *  **  *
*   *  ****    ***   *      ****     *    ****     *      *    *  *  * * *
*   *  *          *  *      *  *     *    *        *      *    *  *  *  **
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****   *****  ****    ****  *   *  *****  *        *    *****   ***   *   *
```

HEVAL MODULE (D5520931.DRIVER.SETUP.FORT(HEVAL))

A GENERAL PURPOSE HIGHWAY EVALUATION PROGRAM DESIGNED
TO PROVIDE THE TRANSPORTATION PLANNER WITH A TOOL TO
EVALUATE A HIGHWAY ASSIGNMENT. THE PROGRAM OPERATES
IN TWO MODES. ONE MODE ALLOWS THE USER TO PRINT A
VARIETY OF REPORTS DESIGNED TO ASSIST IN THE
TASK OF MODEL VALIDATION. THIS MODE IS REFERRED
TO INTERNALLY AS VALIDATION AND IS SET BY THE
USER WITH A STATEMENT - "VALIDATE=T"
THE OTHER MODE IS AS AN ASSIGNMENT ANALYSIS TOOL.
THIS MODE IS GENERALLY USED FOR ASSIGNMENTS TO FUTURE
YEAR NETWORKS. THIS MODE IS SET BY THE USER WITH A
STATEMENT "ANALYSIS=T".

INPUT DATA FOR THIS RUN:

USES HRLDXY FILE AS DATA SOURCE
RATES=1979 UROAD AND CUTS RATES

OUTPUT DATA SETS FOR THIS RUN:

PRINTOUT ONLY

DATE AND TIME OF THIS RUN:

10DEC01 (DDMMMYY) 08:56:56 (HH.MM.SS)

TYPE OF RUN:

ANALYSIS

```
  ***    ****   ****  *   *  *   *  ****   *****  *****   ***   *  *   ****
*   *  *      *      *   *  ** **  *   *    *      *    *   *  **  *  *
*****   ***    ***   *   *  * * *  ****     *      *    *   *  ** *   ***
*   *      *      *  *   *  *   *  *        *      *    *   *  * **      *
*   *  ****   ****    ***   *   *  *        *    *****   ***   *  *  ****
```

FACILITY AND AREA TYPES AS DEFINED IN THE HNET MODULE:

FACILITY TYPE 1 - FREEWAYS
FACILITY TYPE 2 - EXPRESSWAYS AND DIVIDED ARTERIALS
FACILITY TYPE 3 - UNDIVIDED ARTERIALS
FACILITY TYPE 4 - COLLECTORS
FACILITY TYPE 5 - LOCALS (CENTROID CONNECTORS) - NOT INCLUDED
FACILITY TYPE 6 - ONE WAYS
FACILITY TYPE 8 - HOV LINKS
FACILITY TYPE 9 - TOLL RAMPS

AREA TYPE 1 - CBD
AREA TYPE 2 - FRINGE
AREA TYPE 3 - RESIDENTIAL

AREA TYPE 4 - OBD
AREA TYPE 5 - RURAL

LANE VALUES REPORTED ARE TRUE LANE VALUES.

THE FOLLOWING RATES ARE USED IN THE VARIOUS CALCULATIONS:

ACCIDENT RATES: FREEWAYS - 1.060 PER MILLION VEHICLE MILES
ARTERIALS - 5.830 PER MILLION VEHICLE MILES
LOCALS - 8.630 PER MILLION VEHICLE MILES

INJURY RATES : FREEWAYS - 0.730 PER MILLION VEHICLE MILES
ARTERIALS - 3.850 PER MILLION VEHICLE MILES
LOCALS - 3.490 PER MILLION VEHICLE MILES

FATALITY RATES: FREEWAYS - 0.009 PER MILLION VEHICLE MILES
ARTERIALS - 0.019 PER MILLION VEHICLE MILES
LOCALS - 0.018 PER MILLION VEHICLE MILES

```
_  ***    ****   ****  *   *  *   *  ****   *****  *****   ***   *  *   ****
 *   *  *      *      *   *  ** **  *   *    *      *    *   *  **  *  *
 *****   ***    ***   *   *  * * *  ****     *      *    *   *  ** *   ***
 *   *      *      *  *   *  *   *  *        *      *    *   *  * **      *
 *   *  ****   ****    ***   *   *  *        *    *****   ***   *  *  ****
```

CARBON MONOXIDE EMISSIONS (GRAMS PER VEHICLE MILE)

SPEED	FT 1	FT 2	FT 3	FT 4	FT 5	FT 6	FT 7	FT 8	FT 9
LT 20	37.73	37.73	37.73	37.73	37.73	37.73	37.73	37.73	37.73
20 - 25	27.77	27.77	27.77	27.77	27.77	27.77	27.77	27.77	27.77
25 - 30	21.82	21.82	21.82	21.82	21.82	21.82	21.82	21.82	21.82
30 - 35	17.72	17.72	17.72	17.72	17.72	17.72	17.72	17.72	17.72
35 - 40	14.74	14.74	14.74	14.74	14.74	14.74	14.74	14.74	14.74
40 - 45	12.49	12.49	12.49	12.49	12.49	12.49	12.49	12.49	12.49
45 - 50	10.76	10.76	10.76	10.76	10.76	10.76	10.76	10.76	10.76
50 - 55	10.64	10.64	10.64	10.64	10.64	10.64	10.64	10.64	10.64
55 - 60	12.84	12.84	12.84	12.84	12.84	12.84	12.84	12.84	12.84
GE 60	17.23	17.23	17.23	17.23	17.23	17.23	17.23	17.23	17.23

HYDROCARBON EMISSIONS (GRAMS PER VEHICLE MILES)

SPEED	FT 1	FT 2	FT 3	FT 4	FT 5	FT 6	FT 7	FT 8	FT 9
LT 20	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
20 - 25	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73
25 - 30	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47
30 - 35	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29
35 - 40	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
40 - 45	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
45 - 50	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
50 - 55	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
55 - 60	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
GE 60	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07

OXIDES OF NITROGEN EMISSIONS (GRAMS PER VEHICLE MILE)

SPEED	FT 1	FT 2	FT 3	FT 4	FT 5	FT 6	FT 7	FT 8	FT 9
LT 20	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99
20 - 25	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89
25 - 30	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
30 - 35	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89
35 - 40	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91
40 - 45	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94
45 - 50	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99

```
    ³ 50 - 55  ³   2.25     2.25     2.25     2.25     2.25     2.25     2.25
2.25     2.25 ³
    ³ 55 - 60  ³   2.56     2.56     2.56     2.56     2.56     2.56     2.56
2.56     2.56 ³
    ³  GE 60   ³   2.92     2.92     2.92     2.92     2.92     2.92     2.92
2.92     2.92 ³
    +----------+--------+--------+--------+--------+--------+--------+--------+-
-------+--------+
_   ***    ****   ****  *   *  *   *  ****   *****  *****   ***   *  *   ****
 *   *  *      *      *   *  ** **  *   *    *      *    *   *  **  *  *
 *****   ***    ***   *   *  * * *  ****     *      *    *   *  ** *   ***
 *   *      *      *  *   *  *   *  *        *      *    *   *  * **      *
 *   *  ****   ****    ***   *   *  *        *    *****   ***   *  *  ****
```

FUEL USE (GALLONS PER MILE)

```
    +----------+--------+--------+--------+--------+--------+--------+--------+-
-------+--------+
    ³  SPEED   ³  FT 1  ³  FT 2  ³  FT 3  ³  FT 4  ³  FT 5  ³ FT 6  ³  FT 7  ³
FT 8  ³  FT 9  ³
    +----------+--------+--------+--------+--------+--------+--------+--------+-
-------+--------+
    ³  LT 20   ³   0.06     0.06     0.06     0.06     0.06     0.06     0.06
0.06     0.06 ³
    ³ 20 - 25  ³   0.06     0.06     0.06     0.06     0.06     0.06     0.06
0.06     0.06 ³
    ³ 25 - 30  ³   0.06     0.06     0.06     0.06     0.06     0.06     0.06
0.06     0.06 ³
    ³ 30 - 35  ³   0.06     0.06     0.06     0.06     0.06     0.06     0.06
0.06     0.06 ³
    ³ 35 - 40  ³   0.06     0.06     0.06     0.06     0.06     0.06     0.06
0.06     0.06 ³
    ³ 40 - 45  ³   0.06     0.06     0.06     0.06     0.06     0.06     0.06
0.06     0.06 ³
    ³ 45 - 50  ³   0.06     0.06     0.06     0.06     0.06     0.06     0.06
0.06     0.06 ³
    ³ 50 - 55  ³   0.06     0.06     0.06     0.06     0.06     0.06     0.06
0.06     0.06 ³
    ³ 55 - 60  ³   0.06     0.06     0.06     0.06     0.06     0.06     0.06
0.06     0.06 ³
    ³ 60 - 65  ³   0.06     0.06     0.06     0.06     0.06     0.06     0.06
0.06     0.06 ³
    ³  GE 65   ³   0.06     0.06     0.06     0.06     0.06     0.06     0.06
0.06     0.06 ³
    +----------+--------+--------+--------+--------+--------+--------+--------+-
-------+--------+
```

EVAL USES CONSTRUCTION CODES TO CALCULATE NEW AND IMPROVED
LANE MILES AND CONSTRUCTION COSTS. THE CODE DEFINITIONS ARE:

```
CODE
 1  -  ADD 2 LANES, FT REMAINS SAME (ONE WAY - ADD 1 LANE)
 2  -  ADD 4 LANES, FT REMAINS SAME (ONE WAY - ADD 2 LANES)
 3  -  ADD 6 LANES, FT REMAINS SAME (ONE WAY - ADD 3 LANES)
 4  -  ADD 2 LANES, UPGRADE FT BY 1
```

```
          5  -  ADD 2 LANES, UPGRADE FT BY 2
          6  -  ADD 4 LANES, UPGRADE FT BY 1
          7  -  NEW CONSTRUCTION - 2 LANES (ONE WAY - 1 LANE)
          8  -  NEW CONSTRUCTION - 4 LANES (ONE WAY - 2 LANES)
          9  -  NEW CONSTRUCTION - 6 LANES (ONE WAY - 3 LANES)
          0  -  NO NEW CONSTRUCTION


    CONSTRUCTION COST : THOUSAND DOLLARS PER MILE

    +----------+--------+--------+--------+--------+--------+--------+--------+-
-------+--------+
    ³          ³  FT 1  ³  FT 2  ³  FT 3  ³  FT 4  ³  FT 5  ³  FT 6  ³  FT 7  ³
FT 8  ³  FT 9  ³
    ³   CODE   ³        ³        ³        ³        ³        ³        ³        ³
³        ³
    +----------+--------+--------+--------+--------+--------+--------+--------+-
-------+--------+
    ³          ³
³
    ³    1     ³1901.00  1478.00  1267.00  1267.00     0.00  1267.00  1267.00
1901.00  1901.00 ³
    ³    2     ³2628.00  2464.00  2217.00  2217.00     0.00  2217.00  2217.00
2628.00  2628.00 ³
    ³    3     ³2713.00  2851.00  2534.00  2534.00     0.00  2534.00  2534.00
2713.00  2713.00 ³
    ³    4     ³   0.00  1478.00  1267.00  1267.00     0.00  1267.00  1267.00
0.00     0.00 ³
    ³    5     ³   0.00     0.00  1267.00  1267.00     0.00  1267.00  1267.00
0.00     0.00 ³
    ³    6     ³   0.00  2464.00  2217.00  2217.00     0.00  2217.00  2217.00
0.00     0.00 ³
    ³    7     ³   0.00  1267.00  1267.00  1267.00     0.00  1267.00  1267.00
0.00     0.00 ³
    ³    8     ³2059.00  2112.00  1760.00  1760.00     0.00  1760.00  1760.00
2059.00  2059.00 ³
    ³    9     ³2628.00  2464.00  2218.00  2218.00     0.00  2218.00  2218.00
2628.00  2628.00 ³
    +----------+--------+--------+--------+--------+--------+--------+--------+-
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 _
   FLORIDA D.O.T.
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TIME  08:56:56

 HIGHWAY EVALUATION -- YEAR/ALT (a15) -- REPORT: TOTAL SYSTEM MILES


                        CBD      FRINGE   RESID.   OBD      RURAL       Total


 FREEWAY                   6.14     1.68    91.60    55.62     2.63   157.67
 D. ART                    5.75     0.47   269.36   208.14    18.43   502.15
```

U. ART	6.63	0.20	161.27	58.16	64.75	291.01
COLLCTR	7.23	0.85	346.72	81.74	123.82	560.36
1 WAY	16.66	1.18	20.00	33.20	0.00	71.04
RAMP	6.33	1.96	53.30	38.80	1.78	102.17
HOV	0.00	0.00	45.30	3.30	0.00	48.60
TOLL	0.00	0.00	121.66	4.37	26.48	152.51
Totals	48.74	6.34	1109.21	483.33	237.89	1885.51

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- REPORT: TOTAL LANE MILES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	22.26	5.63	330.46	202.85	11.60	572.80
D. ART	26.05	2.32	1212.33	1033.02	80.40	2354.12
U. ART	22.76	0.40	410.40	187.88	141.40	762.84
COLLCTR	16.75	1.70	860.46	219.90	266.66	1365.47
1 WAY	44.03	2.55	49.49	83.19	0.00	179.26
RAMP	8.23	2.79	73.69	55.29	3.02	143.02
HOV	0.00	0.00	45.30	3.30	0.00	48.60
TOLL	0.00	0.00	311.34	10.14	74.70	396.18
Totals	140.08	15.39	3293.47	1795.57	577.78	5822.29

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- REPORT: TOTAL DIRECTIONAL SYSTEM MILES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	6.14	1.68	96.00	55.62	3.20	162.64
D. ART	11.50	0.94	538.72	416.28	36.86	1004.30
U. ART	13.22	0.40	322.54	116.32	129.50	581.98
COLLCTR	14.46	1.70	693.44	163.48	247.64	1120.72
1 WAY	16.66	1.18	20.00	33.20	0.00	71.04
RAMP	6.33	1.96	55.00	39.06	1.78	104.13
HOV	0.00	0.00	45.30	3.30	0.00	48.60
TOLL	0.00	0.00	122.07	4.37	26.48	152.92
Totals	68.31	7.86	1893.07	831.63	445.46	3246.33

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- REPORT: AVERAGE LINK LENGTH USING SYSTEM MILES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.17	0.14	0.34	0.31	0.29	0.31
D. ART	0.12	0.09	0.26	0.20	0.43	0.23
U. ART	0.09	0.10	0.27	0.20	0.67	0.28
COLLCTR	0.09	0.08	0.26	0.22	0.50	0.27
1 WAY	0.06	0.07	0.20	0.22	0.00	0.13
RAMP	0.09	0.10	0.11	0.10	0.16	0.11
HOV	0.00	0.00	0.17	0.16	0.00	0.17
TOLL	0.00	0.00	0.25	0.15	0.49	0.26
Totals	0.08	0.10	0.24	0.19	0.52	0.23

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- REPORT: TOTAL VMT USING VOLUMES ON LINKS WITH CAPACITIES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	370912	87250	6142447	4392818	252666	11246093
D. ART	195181	12556	9906696	8903368	559342	19577142
U. ART	145544	2695	2966491	1527108	530670	5172508
COLLCTR	70245	10885	3865815	1228653	657365	5832962
1 WAY	196702	8356	260906	474341	0	940306
RAMP	75338	31456	764868	611788	29497	1512947
HOV	0	0	522722	26617	0	549339
TOLL	0	0	3258114	116531	639478	4014124
Totals	1053922	153198	27688058	17281224	2669019	48845420

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- REPORT: TOTAL VMT USING CAPACITY

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	429973	108776	6161301	3803792	209313	10713155
D. ART	214567	20539	10647793	8843297	1114455	20840650
U. ART	169522	2574	3002660	1430764	1733993	6339513
COLLCTR	97266	9794	5105043	1330227	1690085	8232414
1 WAY	319816	20472	398835	643642	0	1382765
RAMP	128668	42463	1112101	849729	37225	2170187
HOV	0	0	849375	61875	0	911250
TOLL	0	0	5753216	184717	1346631	7284565
Totals	1359812	204618	33030324	17148042	6131702	57874500

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- REPORT: RATIO OF VOLUME OVER CAPACITY VMT

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.86	0.80	1.00	1.15	1.21	1.05
D. ART	0.91	0.61	0.93	1.01	0.50	0.94
U. ART	0.86	1.05	0.99	1.07	0.31	0.82
COLLCTR	0.72	1.11	0.76	0.92	0.39	0.71
1 WAY	0.62	0.41	0.65	0.74	0.00	0.68
RAMP	0.59	0.74	0.69	0.72	0.79	0.70
HOV	0.00	0.00	0.62	0.43	0.00	0.60
TOLL	0.00	0.00	0.57	0.63	0.47	0.55
Totals	0.78	0.75	0.84	1.01	0.44	0.84

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- REPORT: TOTAL VHT USING VOLUMES ON LINKS WITH CAPACITIES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	10536	2506	649013	160969	10214	833239

D. ART	14682	487	485917	512241	13168	1026495
U. ART	10458	128	156388	97119	13638	277729
COLLCTR	5011	792	193653	68271	19911	287637
1 WAY	15237	528	13374	31730	0	60869
RAMP	6700	2046	67776	42730	1170	120423
HOV	0	0	16763	1004	0	17768
TOLL	0	0	124048	2777	16503	143328
Totals	62623	6487	1706933	916841	74605	2767488

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- REPORT: TOTAL VHT USING CAPACITIES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	12037	2995	373620	131269	7800	527719
D. ART	14692	728	467275	456197	23775	962667
U. ART	10361	120	137746	73886	41320	263433
COLLCTR	6126	648	220250	61824	42652	331500
1 WAY	22725	977	18515	37465	0	79682
RAMP	10401	2413	66126	46777	1247	126964
HOV	0	0	23634	1788	0	25422
TOLL	0	0	226947	4898	33810	265655
Totals	76342	7881	1534113	814103	150603	2583042

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- REPORT: RATIO OF VOLUME OVER CAPACITY VHT

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.88	0.84	1.74	1.23	1.31	1.58
D. ART	1.00	0.67	1.04	1.12	0.55	1.07
U. ART	1.01	1.06	1.14	1.31	0.33	1.05
COLLCTR	0.82	1.22	0.88	1.10	0.47	0.87
1 WAY	0.67	0.54	0.72	0.85	0.00	0.76
RAMP	0.64	0.85	1.02	0.91	0.94	0.95
HOV	0.00	0.00	0.71	0.56	0.00	0.70
TOLL	0.00	0.00	0.55	0.57	0.49	0.54

Totals	0.82	0.82	1.11	1.13	0.50	1.07

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- REPORT: TOTAL VOLUME ON ALL LINKS WITH CAPACITIES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	2160919	636045	17758074	14134638	700177	35389852
D. ART	1786675	137596	38951240	45729160	1399996	88004672
U. ART	1541019	26789	11620244	8279512	927003	22394568
COLLCTR	820182	135693	15712160	5897136	1636238	24201408
1 WAY	3256460	116783	1323914	2435039	0	7132196
RAMP	786891	317726	6205560	5712101	176172	13198449
HOV	0	0	2415734	131115	0	2546849
TOLL	0	0	10067619	408216	976483	11452319
Totals	10352146	1370633	104054544	82726920	5816069	204320304

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- REPORT: TOTAL CAPACITIES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	2606966	772782	18198616	12221501	611695	34411560
D. ART	1951344	211696	40768276	43722688	2556124	89210120
U. ART	1774534	25740	11272305	7604101	2784010	23460690
COLLCTR	1114030	126742	20199178	6435914	3611944	31487808
1 WAY	5210462	283316	1972255	2905551	0	10371584
RAMP	1387944	392122	9123777	7955969	209542	19069354
HOV	0	0	5043750	393750	0	5437500
TOLL	0	0	18129002	675363	2046584	20850948
Totals	14045280	1812398	124707160	81914840	11819899	234299568

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- REPORT: RATIO OF VOLUME OVER CAPACITY

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.83	0.82	0.98	1.16	1.14	1.03
D. ART	0.92	0.65	0.96	1.05	0.55	0.99
U. ART	0.87	1.04	1.03	1.09	0.33	0.95
COLLCTR	0.74	1.07	0.78	0.92	0.45	0.77
1 WAY	0.62	0.41	0.67	0.84	0.00	0.69
RAMP	0.57	0.81	0.68	0.72	0.84	0.69
HOV	0.00	0.00	0.48	0.33	0.00	0.47
TOLL	0.00	0.00	0.56	0.60	0.48	0.55
Totals	0.74	0.76	0.83	1.01	0.49	0.87

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- REPORT: TOTAL VOLUME ON ALL LINKS

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	2160919	636045	17758074	14134638	700177	35389852
D. ART	1786675	137596	38951240	45729160	1399996	88004672
U. ART	1541019	26789	11620244	8279512	927003	22394568
COLLCTR	820182	135693	15712160	5897136	1636238	24201408
1 WAY	3256460	116783	1323914	2435039	0	7132196
RAMP	786891	317726	6205560	5712101	176172	13198449
HOV	0	0	2415734	131115	0	2546849
TOLL	0	0	10067619	408216	976483	11452319
Totals	10352146	1370633	104054544	82726920	5816069	204320304

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- REPORT: VOLUME PERCENTAGES ON ALL LINKS

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	1.06	0.31	8.69	6.92	0.34	17.32
D. ART	0.87	0.07	19.06	22.38	0.69	43.07

U. ART	0.75	0.01	5.69	4.05	0.45	10.96
COLLCTR	0.40	0.07	7.69	2.89	0.80	11.84
1 WAY	1.59	0.06	0.65	1.19	0.00	3.49
RAMP	0.39	0.16	3.04	2.80	0.09	6.46
HOV	0.00	0.00	1.18	0.06	0.00	1.25
TOLL	0.00	0.00	4.93	0.20	0.48	5.61
Totals	5.07	0.67	50.93	40.49	2.85	100.00

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- REPORT: AVERAGE TOTAL VOLUMES ON ALL LINKS

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	60026	53004	65287	78526	77797	69528
D. ART	35733	27519	37381	44657	32558	40668
U. ART	21704	13394	19729	27971	9557	21227
COLLCTR	9882	12336	11805	15519	6651	11800
1 WAY	12106	7299	13509	16234	0	13381
RAMP	11572	15886	13260	14104	16016	13579
HOV	0	0	8980	6244	0	8782
TOLL	0	0	20380	14076	18083	19848
Totals	17941	20767	22804	33291	12644	25067

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- REPORT: ORIGINAL SPEEDS (MPH)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	38.30	39.37	44.76	46.73	56.64	45.25
D. ART	22.85	31.69	34.57	32.78	49.81	33.98
U. ART	21.32	26.09	28.83	28.53	43.66	30.85
COLLCTR	18.85	21.70	27.58	28.96	42.47	29.91
1 WAY	18.50	25.56	28.77	26.27	0.00	24.45
RAMP	14.98	20.70	24.76	26.09	36.20	24.30
HOV	0.00	0.00	53.58	47.37	0.00	53.11
TOLL	0.00	0.00	46.24	46.25	55.72	47.67
Totals	20.25	25.62	31.28	31.34	44.02	32.19

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- REPORT: CONGESTED SPEEDS (MPH)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	36.01	34.76	15.36	28.62	28.28	19.08
D. ART	14.66	26.99	22.50	19.18	44.16	21.23
U. ART	15.52	21.43	20.96	18.25	41.73	22.61
COLLCTR	16.02	15.11	22.27	20.91	39.74	24.26
1 WAY	14.01	19.08	21.24	17.19	0.00	17.23
RAMP	12.12	15.41	15.42	15.75	25.67	15.39
HOV	0.00	0.00	35.94	34.62	0.00	35.85
TOLL	0.00	0.00	21.09	27.40	36.65	22.96
Totals	15.45	19.49	21.44	19.57	40.23	22.13

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- REPORT: PERCENT CHANGE IN SPEED

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	-5.96	-11.72	-65.68	-38.77	-50.07	-57.84
D. ART	-35.84	-14.83	-34.91	-41.48	-11.34	-37.51
U. ART	-27.23	-17.86	-27.31	-36.02	-4.43	-26.70
COLLCTR	-15.03	-30.37	-19.25	-27.78	-6.44	-18.91
1 WAY	-24.26	-25.34	-26.19	-34.56	0.00	-29.54
RAMP	-19.11	-25.56	-37.74	-39.61	-29.09	-36.67
HOV	0.00	0.00	-32.92	-26.92	0.00	-32.50
TOLL	0.00	0.00	-54.39	-40.75	-34.22	-51.84
Totals	-23.69	-23.93	-31.45	-37.56	-8.62	-31.25

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- REPORT: TOTAL VMT USING LINK VOLUMES (FSUTMS.V54+)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	370912	87250	6142447	4392818	252666	11246093
D. ART	195181	12556	9906696	8903368	559342	19577142
U. ART	145544	2695	2966491	1527108	530670	5172508
COLLCTR	70245	10885	3865815	1228653	657365	5832962
1 WAY	196702	8356	260906	474341	0	940306
RAMP	75338	31456	764868	611788	29497	1512947
HOV	0	0	522722	26617	0	549339
TOLL	0	0	3169209	116483	629201	3914893
Totals	1053922	153198	27599152	17281176	2658741	48746188

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- REPORT: TOTAL VHT (FREE-FLOW TIME) USING LINK VOLUMES (FSUTMS.V54+)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	9684	2217	136527	93979	4455	246862
D. ART	8562	400	287720	270839	11139	578659
U. ART	6799	103	102446	52821	12240	174409
COLLCTR	3703	503	136536	42151	15493	198385
1 WAY	10643	321	9280	17533	0	37778
RAMP	4936	1483	28993	22179	817	58408
HOV	0	0	9657	562	0	10219
TOLL	0	0	67505	2225	10921	80651
Totals	44327	5027	778663	502290	55065	1385371

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- REPORT: TOTAL VHT (CONGESTED TIME) USING LINK VOLUMES (FSUTMS.V54+)

	CBD	FRINGE	RESID.	OBD	RURAL	Total

FREEWAY	10536	2506	649013	160969	10214	833239
D. ART	14682	487	485917	512241	13168	1026495
U. ART	10458	128	156388	97119	13638	277729
COLLCTR	5011	792	193653	68271	19911	287637
1 WAY	15237	528	13374	31730	0	60869
RAMP	6700	2046	67776	42730	1170	120423
HOV	0	0	16763	1004	0	17768
TOLL	0	0	124048	2777	16503	143328
Totals	62623	6487	1706933	916841	74605	2767488

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- REPORT: SPEEDS (FREE-FLOW TIME) USING LINK VOLUMES (FSUTMS.V54+)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	38.30	39.35	44.99	46.74	56.72	45.56
D. ART	22.80	31.43	34.43	32.87	50.22	33.83
U. ART	21.41	26.08	28.96	28.91	43.36	29.66
COLLCTR	18.97	21.66	28.31	29.15	42.43	29.40
1 WAY	18.48	26.04	28.11	27.05	0.00	24.89
RAMP	15.26	21.21	26.38	27.58	36.11	25.90
HOV	0.00	0.00	54.13	47.34	0.00	53.76
TOLL	0.00	0.00	46.95	52.35	57.61	48.54
Totals	23.78	30.48	35.44	34.40	48.28	35.19

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- REPORT: SPEEDS (CONGESTED TIME) USING LINK VOLUMES (FSUTMS.V54+)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	35.21	34.82	9.46	27.29	24.74	13.50
D. ART	13.29	25.78	20.39	17.38	42.48	19.07
U. ART	13.92	21.13	18.97	15.72	38.91	18.62
COLLCTR	14.02	13.74	19.96	18.00	33.02	20.28
1 WAY	12.91	15.84	19.51	14.95	0.00	15.45
RAMP	11.24	15.37	11.29	14.32	25.20	12.56
HOV	0.00	0.00	31.18	26.50	0.00	30.92

TOLL	0.00	0.00	25.55	41.94	38.13	27.31
Totals	16.83	23.62	16.17	18.85	35.64	17.61

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- REPORT: PERCENT CHANGE IN SPEED USING LINK VOLUMES (FSUTMS.V54+)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	-8.09	-11.52	-78.96	-41.62	-56.39	-70.37
D. ART	-41.68	-17.96	-40.79	-47.13	-15.41	-43.63
U. ART	-34.99	-18.98	-34.49	-45.61	-10.25	-37.20
COLLCTR	-26.11	-36.54	-29.49	-38.26	-22.19	-31.03
1 WAY	-30.15	-39.17	-30.61	-44.74	0.00	-37.94
RAMP	-26.33	-27.51	-57.22	-48.10	-30.21	-51.50
HOV	0.00	0.00	-42.39	-44.02	0.00	-42.49
TOLL	0.00	0.00	-45.58	-19.87	-33.82	-43.73
Totals	-29.22	-22.50	-54.38	-45.22	-26.19	-49.94

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- REPORT: TOTAL ACCIDENT OCCURENCES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.39	0.09	6.51	4.66	0.27	11.92
D. ART	1.14	0.07	57.76	51.91	3.26	114.13
U. ART	0.84	0.02	17.03	8.77	3.05	29.69
COLLCTR	0.37	0.06	20.45	6.50	3.48	30.86
1 WAY	1.13	0.05	1.50	2.72	0.00	5.40
RAMP	0.43	0.18	4.39	3.51	0.17	8.68
HOV	0.00	0.00	0.55	0.03	0.00	0.58
TOLL	0.00	0.00	3.45	0.12	0.68	4.25
Totals	4.30	0.47	111.64	78.21	10.90	205.52

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- REPORT: TOTAL INJURY OCCURENCES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.27	0.06	4.48	3.21	0.18	8.21
D. ART	0.75	0.05	38.14	34.28	2.15	75.37
U. ART	0.51	0.01	10.44	5.38	1.87	18.21
COLLCTR	0.22	0.03	12.06	3.83	2.05	18.20
1 WAY	0.69	0.03	0.92	1.67	0.00	3.31
RAMP	0.27	0.11	2.69	2.15	0.10	5.33
HOV	0.00	0.00	0.38	0.02	0.00	0.40
TOLL	0.00	0.00	2.38	0.09	0.47	2.93
Totals	2.71	0.30	71.50	50.62	6.83	131.95

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- REPORT: TOTAL FATALITY OCCURENCES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.00	0.00	0.06	0.04	0.00	0.10
D. ART	0.00	0.00	0.19	0.17	0.01	0.37
U. ART	0.00	0.00	0.06	0.03	0.01	0.10
COLLCTR	0.00	0.00	0.07	0.02	0.01	0.10
1 WAY	0.00	0.00	0.00	0.01	0.00	0.02
RAMP	0.00	0.00	0.01	0.01	0.00	0.03
HOV	0.00	0.00	0.00	0.00	0.00	0.00
TOLL	0.00	0.00	0.03	0.00	0.01	0.04
Totals	0.02	0.00	0.42	0.28	0.04	0.76

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- REPORT: TOTAL EMISSIONS OF CARBON MONOXIDE (KILOGRAMS)

	CBD	FRINGE	RESID.	OBD	RURAL	Total

FREEWAY	6005	1408	116181	91486	5803	220883
D. ART	6960	305	272382	272429	7406	559482
U. ART	5134	85	86948	46866	7400	146432
COLLCTR	2649	394	108374	36078	9811	157305
1 WAY	7387	235	7699	15511	0	30831
RAMP	2745	1052	23771	18244	635	46448
HOV	0	0	9316	626	0	9942
TOLL	0	0	42803	1632	8606	53042
Totals	30879	3478	667475	482871	39660	1224364

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- REPORT: TOTAL EMISSIONS OF HYDROCARBONS (KILOGRAMS)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	454	106	8324	6309	385	15578
D. ART	426	20	17418	17071	603	35538
U. ART	314	5	5479	2924	594	9317
COLLCTR	162	24	6885	2275	765	10110
1 WAY	450	15	486	958	0	1910
RAMP	168	65	1491	1155	44	2922
HOV	0	0	680	42	0	722
TOLL	0	0	3466	127	647	4239
Totals	1973	235	44229	30861	3038	80337

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- REPORT: TOTAL EMISSIONS OF OXIDES OF NITROGEN (KILOGRAMS)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	706	167	11840	8416	483	21611
D. ART	384	24	18998	17235	1180	37821
U. ART	286	5	5709	2949	1024	9973
COLLCTR	140	21	7407	2366	1265	11200
1 WAY	391	16	504	923	0	1834
RAMP	149	61	1486	1188	57	2942

HOV	0	0	1048	53	0	1101
TOLL	0	0	6774	259	1623	8657
Totals	2056	295	53767	33390	5632	95139

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- REPORT: TOTAL FUEL USE (GALS)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	23212	5460	384394	274903	15812	703780
D. ART	12214	786	619961	557172	35004	1225138
U. ART	9108	169	185643	95566	33209	323695
COLLCTR	4396	681	241922	76889	41138	365027
1 WAY	12310	523	16327	29684	0	58844
RAMP	4715	1969	47865	38286	1846	94680
HOV	0	0	32712	1666	0	34378
TOLL	0	0	203893	7293	40019	251204
Totals	65954	9587	1732719	1081459	167027	3056746

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- REPORT: TOTAL NEW LANE MILEAGE

	CBD	FRINGE	RESID.	OBD	RURAL	Total
Totals	0	0	0	0	0	0

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- REPORT: TOTAL CONSTRUCTION COST (X $1000)

	CBD	FRINGE	RESID.	OBD	RURAL	Total

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 Totals                          0         0         0         0         0         0
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 HIGHWAY EVALUATION -- YEAR/ALT (a15) -- REPORT: TOTAL DELAY DUE TO CONGESTION
(VEH-HRS)


                        CBD      FRINGE   RESID.   OBD      RURAL       Total


 FREEWAY                 851.81   288.79512486.62 66990.21  5759.41586376.81
 D. ART                 6119.93    87.45198196.97241401.92  2029.65447835.94
 U. ART                 3658.81    24.21 53941.80 44297.39  1397.97103320.17
 COLLCTR                1308.15   289.43 57117.07 26119.46  4417.81 89251.93
 1 WAY                  4593.56   206.69  4093.68 14196.77     0.00 23090.69
 RAMP                   1764.23   563.04 38783.32 20551.30   353.53 62015.41
 HOV                       0.00     0.00  7106.64   442.14     0.00  7548.77
 TOLL                      0.00     0.00 56543.37   551.91  5581.96 62677.24

 Totals                18296.48  1459.60928269.44414551.09 19540.34*********
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 HIGHWAY EVALUATION -- YEAR/ALT (a15) : MILES OF ROADWAY AT EACH LEVEL OF
SERVICE


                                                LEVEL OF SERVICE

                          A       B       C       D       E       F     TOTAL


 FREEWAY                34.40   14.33   27.07   26.08   32.94   22.85  157.67
 D. ART                122.68   98.57  102.11   82.89   52.00   43.90  502.15
 U. ART                126.83   33.82   28.99   23.67   22.13   55.58  291.01
 COLLCTR               328.11   57.44   45.14   39.50   30.27   59.91  560.36
 1 WAY                  47.12   11.44    5.44    3.95    0.88    2.21   71.04
 RAMP                   60.73   10.15   10.60    4.98    5.44   10.29  102.17
 HOV                    31.43   12.99    3.92    0.26    0.00    0.00   48.60
 TOLL                  141.91    3.30    1.86    1.95    1.63    1.86  152.51
 Total                 893.21  242.02  225.12  183.27  145.29  196.60 1885.51
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HIGHWAY EVALUATION -- YEAR/ALT (a15) : PERCENT OF MILEAGE AT EACH LEVEL OF SERVICE

	LEVEL OF SERVICE						
	A	B	C	D	E	F	TOTAL
FREEWAY	1.82	0.76	1.44	1.38	1.75	1.21	8.36
D. ART	6.51	5.23	5.42	4.40	2.76	2.33	26.63
U. ART	6.73	1.79	1.54	1.26	1.17	2.95	15.43
COLLCTR	17.40	3.05	2.39	2.09	1.61	3.18	29.72
1 WAY	2.50	0.61	0.29	0.21	0.05	0.12	3.77
RAMP	3.22	0.54	0.56	0.26	0.29	0.55	5.42
HOV	1.67	0.69	0.21	0.01	0.00	0.00	2.58
TOLL	7.53	0.18	0.10	0.10	0.09	0.10	8.09
Total	47.37	12.84	11.94	9.72	7.71	10.43	100.00

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
1	2161	2516	31553.	36218.	0.87	23	31
1	2429	2431	12003.	54359.	0.22	92	51
1	2504	8497	16205.	12870.	1.26	37	31
1	2506	2507	29848.	34348.	0.87	24	31
1	2509	2510	64607.	51978.	1.24	24	31
1	2520	8494	52672.	51978.	1.01	24	31
1	2521	8494	56042.	51978.	1.08	24	31
1	2523	2524	11979.	11522.	1.04	45	31
1	2525	2526	20433.	24914.	0.82	44	31
1	2529	2580	10073.	11522.	0.87	45	31
1	2531	7437	16264.	9218.	1.76	47	31
1	2533	2592	21007.	13740.	1.53	36	31
1	2536	7793	52931.	51978.	1.02	24	42
1	2541	8775	104054.	72478.	1.44	12	51
1	2547	2712	19542.	18044.	1.08	23	31
1	2603	2604	27565.	63392.	0.43	21	51
1	2612	8780	13542.	54359.	0.25	92	51
1	2685	3316	59629.	54326.	1.10	23	31
1	3317	8497	16237.	12870.	1.26	37	31
1	3856	4985	135337.	55989.	2.42	12	31
1	4258	2541	104052.	72478.	1.44	12	51
1	4970	4975	0.	18750.	0.00	88	31
1	4995	3858	135309.	55989.	2.42	12	31

1	4998	5001	0.	18750.	0.00	87	31
1	5175	7750	35945.	55989.	0.64	92	31
1	5195	6887	37575.	55989.	0.67	92	31
1	8775	2430	104054.	72478.	1.44	12	51
1	8780	2500	13542.	54359.	0.25	92	51
1	TOTALS		1201999.	1152863.	1.04	SCREEN LINE	1

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
2	2170	6508	27327.	34348.	0.80	24	31
2	2427	2426	27265.	54359.	0.50	92	51
2	2458	9679	56875.	55989.	1.02	12	31
2	2491	5979	1718.	9218.	0.19	47	31
2	2859	2717	33041.	54359.	0.61	92	51
2	2971	4481	56959.	48260.	1.18	24	51
2	3175	3658	12238.	11522.	1.06	45	31
2	3574	7266	7452.	12108.	0.62	44	31
2	3781	5727	9070.	12870.	0.70	37	31
2	3788	5881	9810.	11522.	0.85	45	31
2	4053	4054	55489.	55989.	0.99	12	31
2	4056	4052	31595.	55989.	0.56	12	31
2	4250	7275	10728.	36218.	0.30	23	44
2	4273	4275	44466.	51978.	0.86	24	41
2	4620	7269	35787.	51978.	0.69	24	31
2	4754	7810	11665.	24914.	0.47	44	41
2	5082	5084	50764.	50544.	1.00	25	31
2	5083	7316	25193.	12108.	2.08	44	31
2	5349	5352	40974.	51978.	0.79	24	31
2	5582	7327	32221.	34348.	0.94	24	31
2	5726	5728	39219.	50544.	0.78	25	42
2	5879	5883	34352.	34348.	1.00	24	31
2	5976	5981	38787.	34348.	1.13	24	42
2	6074	6076	53160.	51978.	1.02	24	31
2	6153	6156	63612.	51978.	1.22	24	31
2	6199	7345	17660.	11522.	1.53	45	31
2	6251	8516	48396.	74478.	0.65	92	31
2	6252	7974	15307.	9218.	1.66	46	41
2	6253	6254	3303.	9218.	0.36	46	31
2	6307	6308	29648.	34348.	0.86	24	31
2	6337	6342	13815.	16086.	0.86	33	31
2	6384	6387	27619.	34348.	0.80	24	41
2	6452	6458	13707.	34348.	0.40	24	41
2	6456	7512	15695.	12870.	1.22	37	31
2	6556	6558	4725.	12500.	0.38	43	51

2	6607	6608	2260.	25000.	0.09	43	51
2	7808	7890	22270.	24914.	0.89	44	41
2	8516	9753	48396.	74478.	0.65	92	31
2	8517	9754	56875.	74478.	0.76	12	31
2	8619	8622	27412.	47120.	0.58	75	31
2	8620	8623	1929.	8239.	0.23	72	31
2	8622	8621	27412.	31413.	0.87	75	31
2	8623	8624	1929.	8239.	0.23	72	31
2	8624	8625	1929.	8239.	0.23	72	31
2	8625	8628	1929.	8239.	0.23	72	31
2	8626	8627	25818.	31413.	0.82	71	31
2	8627	8630	25818.	31413.	0.82	71	31
2	9678	2456	48396.	55989.	0.86	92	31
2	9679	8517	56875.	74478.	0.76	12	31
2	9753	9678	48396.	74478.	0.65	92	31
2	9754	8194	56875.	74478.	0.76	12	31
2	TOTALS		1454168.	1855339.	0.78	SCREEN LINE	2

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
3	2134	2139	20129.	22761.	0.88	64	43
3	2138	2133	20307.	22761.	0.89	64	43
3	2405	4249	21815.	54359.	0.40	92	51
3	2715	3138	31355.	34348.	0.91	24	31
3	2715	3139	13754.	34348.	0.40	24	44
3	2970	6069	21578.	34348.	0.63	24	31
3	2972	4277	18527.	12500.	1.48	43	51
3	2973	7381	14296.	11522.	1.24	45	31
3	2976	8381	6706.	9218.	0.73	46	31
3	2984	7825	24000.	25782.	0.93	37	31
3	2991	2992	10624.	16086.	0.66	33	31
3	2994	2997	30751.	34348.	0.90	24	31
3	3000	3651	18061.	18044.	1.00	23	31
3	3007	7593	55416.	51978.	1.07	24	41
3	3099	7825	25803.	25782.	1.00	37	31
3	3137	3138	35950.	51978.	0.69	24	41
3	3142	3143	40403.	34348.	1.18	24	41
3	3146	3147	51986.	51978.	1.00	24	41
3	3150	3628	36686.	34348.	1.07	24	31
3	3156	3157	23058.	31304.	0.74	42	31
3	3160	3161	5063.	11522.	0.44	45	31
3	3166	7404	37354.	51978.	0.72	24	31
3	3173	3174	9757.	11522.	0.85	45	31
3	3181	3182	11566.	12870.	0.90	37	31

3	3187	3297	19945.	25782.	0.77	37	31
3	3206	8097	16394.	17174.	0.95	32	41
3	3209	8096	33140.	34348.	0.96	24	41
3	3302	3303	43123.	34348.	1.26	24	31
3	3307	7414	2675.	9218.	0.29	46	31
3	3721	4277	46784.	54326.	0.86	23	41
3	3884	3889	93111.	74478.	1.25	12	31
3	3885	3883	91322.	74478.	1.23	12	31
3	4223	4220	91000.	93098.	0.98	12	41
3	4225	4219	92449.	74478.	1.24	12	41
3	4244	3205	27821.	54359.	0.51	92	51
3	4785	4793	15549.	18750.	0.83	88	31
3	4787	4780	14700.	18750.	0.78	87	31
3	TOTALS		1172958.	1283620.	0.91	SCREEN LINE	3

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
4	2045	2040	74311.	55989.	1.33	12	31
4	2500	4329	13542.	55989.	0.24	92	31
4	2621	7439	31186.	34348.	0.91	24	31
4	2695	2429	12003.	55989.	0.21	92	31
4	2729	2732	17703.	24914.	0.71	44	31
4	2736	2737	69005.	55989.	1.23	12	31
4	2874	4235	26177.	32956.	0.79	41	31
4	2991	2994	15177.	13740.	1.10	36	31
4	3109	4221	52375.	43163.	1.21	24	41
4	3232	3234	52079.	50544.	1.03	25	41
4	3255	8505	18733.	12870.	1.46	37	31
4	3421	4206	68019.	51978.	1.31	24	41
4	3423	4197	53202.	51978.	1.02	24	44
4	3592	3594	25323.	24914.	1.02	44	44
4	3763	8505	18628.	12870.	1.45	37	31
4	4134	5996	42524.	34348.	1.24	24	31
4	4146	4163	38087.	37500.	1.02	12	31
4	4162	4144	33419.	37500.	0.89	12	31
4	4200	7656	20348.	12870.	1.58	37	44
4	4429	4773	32382.	34348.	0.94	24	44
4	4636	4637	43548.	51978.	0.84	24	44
4	4637	7875	71868.	51978.	1.38	24	41
4	4777	4783	8450.	11522.	0.73	45	41
4	4926	4928	35860.	17174.	2.09	32	41
4	4927	2291	83905.	55989.	1.50	12	41
4	5103	5104	61414.	51978.	1.18	24	41
4	5367	7385	48489.	34348.	1.41	24	41

4	5606	7390	47370.	33392.	1.42	25	41
4	5750	5751	62451.	50544.	1.24	25	41
4	5906	5908	47656.	34348.	1.39	24	31
4	6100	6101	42411.	50544.	0.84	25	41
4	7300	8071	38744.	34348.	1.13	24	41
4	8391	8392	6660.	16086.	0.41	41	41
4	TOTALS		1313049.	1229026.	1.07	SCREEN LINE	4

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SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
5	2097	2103	12055.	22761.	0.53	64	43
5	2102	2097	12168.	22761.	0.53	64	43
5	2725	2730	12217.	11522.	1.06	45	44
5	3428	3429	33102.	51978.	0.64	24	44
5	3437	3439	25306.	12870.	1.97	37	44
5	3446	3447	14947.	24914.	0.60	44	41
5	3456	3457	52486.	51978.	1.01	24	41
5	3463	3464	12634.	22761.	0.56	64	41
5	3467	3466	9664.	22761.	0.42	64	41
5	3471	3472	26268.	25782.	1.02	37	41
5	3477	3478	43082.	34348.	1.25	24	31
5	3488	3489	30950.	34348.	0.90	24	41
5	3497	3498	33809.	34348.	0.98	24	41
5	3504	3506	51667.	51978.	0.99	24	31
5	3511	3512	25439.	34348.	0.74	24	31
5	3518	3519	19359.	32956.	0.59	41	31
5	3527	3528	33988.	33392.	1.02	25	41
5	3538	3539	7808.	11522.	0.68	45	31
5	3544	3546	32388.	34348.	0.94	24	31
5	3552	3553	25451.	31696.	0.80	34	41
5	3563	3564	45780.	34348.	1.33	24	41
5	3900	3907	92267.	74478.	1.24	12	31
5	3902	3897	96364.	74478.	1.29	12	31
5	4669	4685	17623.	18750.	0.94	88	31
5	4675	4665	15458.	18750.	0.82	87	31
5	6998	6999	67278.	51978.	1.29	24	41
5	TOTALS		849559.	876154.	0.97	SCREEN LINE	5

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
6	2125	2115	72692.	55989.	1.30	12	41
6	2416	8742	39729.	34348.	1.16	24	41
6	2416	9199	33173.	32652.	1.02	33	41
6	2435	3626	14395.	55989.	0.26	92	31
6	2504	2506	5781.	9218.	0.63	46	31
6	2554	7210	37070.	36218.	1.02	23	31
6	2639	3610	11145.	11522.	0.97	45	31
6	2640	6864	46484.	51978.	0.89	24	31
6	2641	3595	10718.	11522.	0.93	45	31
6	2710	2437	14209.	55989.	0.25	92	31
6	2720	8742	43012.	34348.	1.25	24	41
6	2762	2766	73935.	55989.	1.32	12	41
6	2764	2768	6975.	15457.	0.45	67	41
6	2767	2763	7394.	15457.	0.48	67	41
6	3011	3014	13565.	12108.	1.12	44	41
6	3012	3018	42656.	34348.	1.24	24	41
6	3261	3262	42449.	34348.	1.24	24	31
6	3409	4802	30987.	13740.	2.26	36	41
6	3482	3484	19093.	11522.	1.66	45	41
6	3483	6980	51982.	34348.	1.51	24	41
6	3495	8240	15811.	12108.	1.31	44	31
6	3723	7387	11614.	11522.	1.01	45	41
6	3846	5782	17490.	23608.	0.74	45	31
6	3909	7137	76937.	55989.	1.37	12	41
6	4016	4019	68686.	55989.	1.23	12	31
6	4316	7453	18656.	34348.	0.54	24	44
6	4322	6956	37430.	55989.	0.67	12	31
6	4539	4541	41891.	32652.	1.28	33	41
6	4540	8955	32303.	32652.	0.99	33	41
6	4542	8956	32303.	32652.	0.99	33	41
6	4666	4667	18303.	16086.	1.14	33	41
6	4668	9200	33173.	32652.	1.02	33	41
6	4792	4797	37742.	34348.	1.10	24	41
6	4946	4018	76457.	55989.	1.37	12	31
6	5132	5133	49032.	34348.	1.43	24	41
6	5134	7499	44974.	34348.	1.31	24	41
6	5386	5387	47253.	33392.	1.42	25	41
6	5639	5643	32712.	23608.	1.39	45	12
6	5642	5644	36818.	33392.	1.10	25	12
6	5784	5786	38883.	33392.	1.16	25	41
6	5929	5936	29837.	23608.	1.26	45	41
6	5931	5933	46354.	50544.	0.92	25	41
6	6033	6034	31325.	13740.	2.28	36	31
6	6957	4321	36665.	55989.	0.65	12	31
6	7139	4671	78876.	55989.	1.41	12	41
6	8955	8956	32303.	32652.	0.99	33	41
6	9199	9200	33173.	32652.	1.02	33	41

6	TOTALS	1674444.	1561328.	1.07

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
7	2004	7854	71431.	54326.	1.31	23	32
7	2039	2051	29862.	33392.	0.89	25	42
7	2041	2057	16327.	33392.	0.49	25	12
7	2042	2058	23637.	25044.	0.94	38	43
7	2323	5092	63563.	50544.	1.26	25	31
7	2335	2345	66438.	74478.	0.89	92	31
7	2389	5103	48549.	34348.	1.41	24	31
7	3984	3987	5301.	15707.	0.34	79	11
7	3986	3985	79190.	77174.	1.03	11	11
7	4482	4903	59143.	74478.	0.79	92	31
7	4908	5083	78138.	51978.	1.50	24	41
7	5002	5198	11380.	15707.	0.72	75	11
7	5003	5209	77923.	77174.	1.01	11	11
7	5013	5014	9217.	11522.	0.80	45	11
7	5020	7446	16809.	24478.	0.69	38	11
7	5026	5027	12566.	11522.	1.09	45	11
7	5034	5037	9289.	22174.	0.42	64	11
7	5048	5046	21089.	22174.	0.95	64	11
7	5059	5060	18944.	22174.	0.85	64	11
7	5071	5072	61748.	60086.	1.03	25	11
7	5106	8379	24814.	23608.	1.05	45	31
7	5113	5114	45880.	34348.	1.34	24	31
7	5122	5123	17731.	12870.	1.38	37	31
7	5131	5132	65869.	51978.	1.27	24	41
7	5140	5141	48887.	34348.	1.42	24	41
7	5147	5148	19850.	12870.	1.54	37	31
7	5153	5154	55517.	50544.	1.10	25	41
7	5159	5160	41373.	33392.	1.24	25	41
7	5164	5166	47297.	50544.	0.94	25	31
7	5170	5171	40572.	27130.	1.50	36	41
7	5173	5180	14047.	16086.	0.87	33	41
7	5176	5177	42891.	33392.	1.28	25	31
7	7729	8503	0.	18750.	0.00	98	31
7	8503	2462	0.	18750.	0.00	98	31
7	TOTALS		1245272.	1210482.	1.03		

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
8	2146	2149	42497.	51978.	0.82	24	43
8	2171	2803	79717.	55989.	1.42	12	31
8	2213	2214	29216.	31413.	0.93	75	31
8	2236	2242	26800.	31413.	0.85	79	31
8	2252	2928	22971.	24914.	0.92	44	31
8	2269	2244	5941.	15707.	0.38	75	31
8	2270	2271	56027.	55989.	1.00	12	31
8	2280	2281	57213.	55989.	1.02	12	31
8	2438	2475	5997.	55989.	0.11	92	31
8	2477	6895	5620.	55989.	0.10	92	31
8	2509	2513	34694.	36218.	0.96	23	31
8	2558	2561	57410.	54326.	1.06	23	31
8	2565	2669	11407.	11522.	0.99	45	31
8	2660	2664	49075.	51978.	0.94	24	31
8	2804	2172	84006.	55989.	1.50	12	31
8	2807	3713	7041.	13740.	0.51	36	31
8	2811	2812	32177.	34348.	0.94	24	31
8	2819	2820	12478.	9218.	1.35	46	31
8	2824	2949	14409.	12108.	1.19	44	31
8	2831	3709	12116.	12108.	1.00	44	31
8	2832	2953	7692.	9218.	0.83	46	31
8	2844	2960	35140.	34348.	1.02	24	41
8	2850	4404	61636.	63566.	0.97	24	41
8	3706	3707	11064.	11522.	0.96	45	31
8	4911	4913	8880.	18750.	0.47	88	31
8	5365	5375	5006.	18750.	0.27	87	31
8	8261	8262	11829.	11522.	1.03	45	31
8	TOTALS		788060.	894601.	0.88		

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
9	2295	2290	34770.	55989.	0.62	92	31

9	3749	7534	19481.	16086.	1.21	41	41
9	3798	5974	37263.	34348.	1.08	24	41
9	4152	4153	27256.	47120.	0.58	75	31
9	4494	5972	34819.	55989.	0.62	92	31
9	5956	6038	21603.	20544.	1.05	36	51
9	5958	7370	14004.	32956.	0.42	41	31
9	5959	7223	12023.	24914.	0.48	44	31
9	5962	7330	25747.	34348.	0.75	24	31
9	5963	6050	6257.	24914.	0.25	44	31
9	5966	6054	30742.	34348.	0.90	24	31
9	5969	6063	29850.	34348.	0.87	24	31
9	6078	7373	36629.	34348.	1.07	24	31
9	6092	6093	36984.	34348.	1.08	24	31
9	6110	7950	38864.	50544.	0.77	25	41
9	6112	6116	23410.	16086.	1.46	33	31
9	6120	6121	35483.	17174.	2.07	32	32
9	6126	6178	26057.	17174.	1.52	32	32
9	7893	8328	24456.	60218.	0.41	31	51
9	8224	4149	67227.	74478.	0.90	12	31
9	TOTALS		582924.	720274.	0.81		

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
10	2218	2912	40031.	36218.	1.11	23	31
10	2480	2293	25941.	55989.	0.46	92	31
10	2487	5198	12003.	11522.	1.04	45	31
10	2582	3857	82198.	51978.	1.58	24	31
10	2610	7400	12983.	11522.	1.13	45	31
10	2674	2676	75396.	51978.	1.45	24	31
10	2678	2679	48157.	34348.	1.40	24	41
10	2798	2804	67824.	55989.	1.21	12	41
10	2803	2797	63476.	55989.	1.13	12	41
10	2919	2921	6483.	11522.	0.56	45	31
10	2923	2927	11501.	9218.	1.25	46	31
10	3051	3054	17509.	27826.	0.63	64	31
10	3053	3050	17338.	27826.	0.62	64	31
10	3163	3167	43907.	32652.	1.34	33	31
10	3166	3168	34601.	51978.	0.67	24	31
10	3284	3286	49494.	33392.	1.48	25	31
10	3382	7397	37921.	25044.	1.51	38	31
10	3527	3531	27266.	25033.	1.09	38	41
10	3529	7406	15103.	11522.	1.31	45	41
10	3530	3526	13921.	22761.	0.61	64	31
10	3927	8426	74472.	55989.	1.33	12	31

10	3963	3989	71499.	58141.	1.23	11	41
10	3990	4989	74159.	58141.	1.28	11	41
10	4067	4070	19877.	38587.	0.52	11	41
10	4068	5833	20138.	38587.	0.52	11	41
10	4479	2479	26838.	55989.	0.48	92	31
10	4584	7403	30436.	32652.	0.93	33	31
10	4586	7401	44110.	34348.	1.28	24	41
10	4719	4722	8294.	15218.	0.55	34	41
10	4724	7840	23018.	32652.	0.70	33	41
10	4870	7841	21710.	23608.	0.92	45	41
10	4874	8063	23378.	34348.	0.68	24	41
10	4984	4991	17968.	12108.	1.48	44	31
10	4990	4996	7668.	11522.	0.67	45	41
10	5007	8065	3092.	15457.	0.20	63	31
10	5014	5006	5411.	15457.	0.35	63	11
10	5182	5183	30184.	32728.	0.92	33	41
10	5189	5201	13265.	22761.	0.58	64	31
10	5194	5204	979.	15022.	0.07	64	21
10	5200	5188	9116.	15022.	0.61	64	31
10	5203	5192	1841.	15022.	0.12	64	21
10	5207	5196	1789.	15022.	0.12	64	21
10	5434	5439	16231.	22761.	0.71	64	41
10	5440	5437	14392.	22761.	0.63	64	31
10	5441	8020	17728.	22761.	0.78	64	41
10	5688	5689	33179.	34348.	0.97	24	31
10	5840	5844	15617.	16892.	0.92	24	31
10	5847	7377	29326.	34348.	0.85	24	31
10	8425	3925	83322.	55989.	1.49	12	31
10	TOTALS		1442090.	1502548.	0.96		

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HIGHWAY EVALUATION -- YEAR/ALT (a15) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
11	3669	6237	18245.	27392.	0.67	31	51
11	3811	6320	6268.	9218.	0.68	46	31
11	3814	6324	16447.	16086.	1.02	33	32
11	4336	6313	56616.	50544.	1.12	25	41
11	6244	7341	43547.	51978.	0.84	24	41
11	6253	6301	24822.	34348.	0.72	24	31
11	6299	8192	87060.	93098.	0.94	92	31
11	6326	6358	31522.	17174.	1.84	32	31
11	6329	7981	3603.	9218.	0.39	46	32
11	7986	7989	10355.	9218.	1.12	46	41
11	7995	7996	19710.	13740.	1.43	36	31
11	8193	2284	94099.	93098.	1.01	92	31

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 11        TOTALS      412296.    425112.       0.97


 12      2001  5331     19375.     54326.       0.36       23 44
 12      2006  2007     69611.     54326.       1.28       23 32
 12      2043  4473     11749.     32652.       0.36       33 31
 12      2072  2074    122100.    111978.       1.09       12 31
 12      2108  3569     44560.     51978.       0.86       24 31
 12      2148  8175     47620.     63566.       0.75       24 43
 12      2156  8154     25756.    111978.       0.23       17 31
 12      3213  3214     22299.     34348.       0.65       24 31
 12      5848  5849     47498.     54326.       0.87       23 32

 12        TOTALS      410569.    569478.       0.72


 13      2155  8461     21164.     37500.       0.56       92 32
 13      2452  8460     22438.     37500.       0.60       92 32
 13      3666  6371     19796.     34392.       0.58       32 32
 13      6364  6366      7349.     12500.       0.59       43 51
 13      6367  6368      6682.     12260.       0.55       43 31
 13      6371  7998     16136.     27130.       0.59       36 31
 13      6433  8377     12045.     13740.       0.88       36 31
 13      6489  7491      8216.     12260.       0.67       43 32
 13      6492  6546     34528.     34348.       1.01       24 42
 13      6501  6503     44946.     51978.       0.86       24 31
 13      6558  6559      5077.     15326.       0.33       42 31
 13      6562  6563      1691.      9218.       0.18       46 32
 13      6568  6611         9.     12500.       0.00       43 51
 13      8460  2120     22438.     37500.       0.60       92 32
 13      8461  2454     21164.     37500.       0.56       92 32

 13        TOTALS      243680.    385652.       0.63


 99        TOTALS   191528832. 220634496.       0.87 SCREEN LINE 99


_  ****  *****   ***   *****  *****   ****  *****  *****   ****   ****
 *        *    *   *    *      *    *        *      *    *      *
  ***     *    *****    *      *     ***     *      *    *       ***
     *    *    *   *    *      *        *    *      *    *  *
 ****     *    *   *    *    *****  ****     *    *****   ****  ****


    TOTAL NUMBER OF LINKS                          8151

    TOTAL SYSTEM MILES                             1885.51

    TOTAL LANE MILES                               5822.29

    TOTAL DIRECTIONAL MILES                        3246.33

    TOTAL VMT USING VOLUMES                   48845420
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TOTAL VMT USING CAPACITY	57874500
TOTAL VMT V/C	0.84
TOTAL VHT USING VOLUMES	2767488
TOTAL VHT USING CAPACITY	2583042
TOTAL VHT V/C	1.07
TOTAL VOLUMES ALL LINKS	204320304
AVERAGE TOTAL VOLUME	25066.90
TOTAL VMT ALL LINKS	48845420
TOTAL VHT ALL LINKS	2767488
TOTAL ORIGINAL SPEED (MPH)	32.19
TOTAL CONGESTED SPEED (MPH)	22.13
TOTAL ACCIDENTS	205.52
TOTAL INJURIES	131.95
TOTAL FATALITIES	0.76
TOTAL CO EMISSIONS (KILOGRAMS)	1224364
TOTAL HC EMISSIONS (KILOGRAMS)	80337
TOTAL NO EMISSIONS (KILOGRAMS)	95139
TOTAL FUEL USE	3056746
TOTAL NEW LANE MILEAGE	0
TOTAL CONSTRUCTION COST (X $1000)	0
TOTAL ACCIDENT COST (DOLLARS)	5228042
TOTAL USERS COST (DOLLARS)	20026604
TOTAL MAINTENANCE COST (DOLLARS)	759850
TOTAL DELAY DUE TO CONGESTION (VEH-HRS)	1382117.00

YEAR 2015 MOBILE.15A

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5          PROMPT - vertical flag input, no prompting (NLEV 2001)
MOBILE5a FDOT: MIAMI 2015 WITH FSUTMS.V54 (Includes NLEV Starting in 2001)
1          TAMFLG - default tampering rates
1          SPDFLG - one speed per scenario
1          VMFLAG - default vmt mix
1          MYMRFG - default registration and mileage accrual rates
2          NEWFLG - alternate exhaust emission rates
1          IMFLAG - without I/M program
1          ALHFLG - no additional correction factor inputs
1          ATPFLG - without anti-tampering program
5          RLFLAG - no refueling losses, treated as stationary source
2          LOCFLG - read in local area parameters as one time
1          TEMFLG - calculate exhaust temperatures
4          OUTFMT - 80 column portrait output format
4          PRTFLG - print exhaust HC, CO and NOx emission factor results
2          IDLFLG - Calculate & print idle emissions results (when available)
3          NMHFLG - print VOCs
3          HCFLAG - print HC components
004
1 7 3 90 90 05.639 00.000
1 7 3 91 97 04.598 00.000
1 7 3 98 03 03.679 00.000
1 7 3 04 15 01.840 00.000
MIAMI         FL C 69.3 91.2  9.2  7.8 92           LAP record
4 15  3.0 84.  20.6 27.3 20.6  7                    Scenario records
01 1 1
4 15  6.0 84.  20.6 27.3 20.6  7
01 1 1
4 15  9.0 84.  20.6 27.3 20.6  7
01 1 1
4 15 12.0 84.  20.6 27.3 20.6  7
01 1 1
4 15 15.0 84.  20.6 27.3 20.6  7
01 1 1
4 15 18.0 84.  20.6 27.3 20.6  7
01 1 1
4 15 21.0 84.  20.6 27.3 20.6  7
01 1 1
4 15 24.0 84.  20.6 27.3 20.6  7
01 1 1
4 15 27.0 84.  20.6 27.3 20.6  7
01 1 1
4 15 30.0 84.  20.6 27.3 20.6  7
01 1 1
4 15 33.0 84.  20.6 27.3 20.6  7
01 1 1
4 15 36.0 84.  20.6 27.3 20.6  7
01 1 1
4 15 39.0 84.  20.6 27.3 20.6  7
01 1 1
4 15 42.0 84.  20.6 27.3 20.6  7
01 1 1
4 15 45.0 84.  20.6 27.3 20.6  7
01 1 1
4 15 48.0 84.  20.6 27.3 20.6  7
01 1 1
4 15 51.0 84.  20.6 27.3 20.6  7
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01 1 1
4 15 54.0 84.  20.6 27.3 20.6  7
01 1 1
4 15 57.0 84.  20.6 27.3 20.6  7
01 1 1
4 15 60.0 84.  20.6 27.3 20.6  7
01 1 1
4 15 63.0 84.  20.6 27.3 20.6  7
01 1 1
4 15 65.0 84.  20.6 27.3 20.6  7
01 1 1
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YEAR 2015 NLEVSTD.D

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1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    95
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    96
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    97
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    98
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    99
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  2000
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    01
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    02
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    03
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    04
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    05
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  1994 LDGT1
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    95
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    96
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    97
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    98
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    99
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  2000
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    01
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    02
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    03
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    04
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    05
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  1994 LDGT2
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    95
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    96
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    97
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    98
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    99
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  2000
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    01
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    02
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    03
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    04
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    05
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  1994 LDGT3
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    95
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    96
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    97
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    98
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    99
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  2000
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    01
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    02
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    03
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    04
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    05
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  1994 LDGT4
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    95
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    96
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    97
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    98
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    99
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  2000
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    01
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    02
```

```
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    03
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    04
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    05
```

YEAR 2015 PROFILE.MAS

```
&TWODIGIT
YES
&VFACTORS
YES
&NAME                 NAME OF STUDY
Miami
&MOBILE               DIRECTORY WHERE MOBILE PARAMETER FILES ARE STORED
c:\fsutms.v54\
&IMFAC                INSPECTION/MAINTENANCE CREDIT PERCENTAGE FOR EMIS
0.00000
&EMISFAC              FACTOR TO ADJUST MODEL VMT TO MATCH HPMS TARGET VALUE
0.95570
&FSUTMS               DIRECTORY WHERE SCRIPT FILES ARE LOCATED
..\SCRIPT
&AVEZONE              NUMBER OF ZONES TO AVERAGE TO COMPUTE IZ DISTANCE
1
&TRANZONE             TRANSIT ACCESS ANALYSIS ZONE
642
&ZONESI               INTERNAL ZONES
1500
&ZONESX              FIRST EXTERNAL ZONE
1501
&ZONESA               TOTAL ZONES
1521
&VALIDATE
NO
&ANALYSIS
YES
&GLSELECT
0
&GLTITLE
Miami-dade
&SZONE                STARTING ZONE FOR CARDINAL DISTRIBUTION
1
&FZONE                ENDING ZONE FOR CARDINAL DISTRIBUTION
1500
&DISTRICT             NUMBER OF PLANNING DISTRICS
96
&SUPERDIST            NUMBER OF SUPER DISTRICTS
26
&CBDZONE              THE CBD ZONES
642
&SELDEST              SELECTED DESTINATION ZONES
1-1500
&TERM10               TERMINAL TIME FOR AREA TYPE
5
&TERM11               TERMINAL TIME FOR AREA TYPE
5
&TERM12               TERMINAL TIME FOR AREA TYPE
5
&TERM13               TERMINAL TIME FOR AREA TYPE
3
&TERM14               TERMINAL TIME FOR AREA TYPE
5
&TERM15               TERMINAL TIME FOR AREA TYPE
5
&TERM16               TERMINAL TIME FOR AREA TYPE
```

```
5
&TERM17              TERMINAL TIME FOR AREA TYPE
5
&TERM18              TERMINAL TIME FOR AREA TYPE
5
&TERM19              TERMINAL TIME FOR AREA TYPE
5
&TERM20              TERMINAL TIME FOR AREA TYPE
3
&TERM21              TERMINAL TIME FOR AREA TYPE
4
&TERM22              TERMINAL TIME FOR AREA TYPE
3
&TERM23              TERMINAL TIME FOR AREA TYPE
3
&TERM24              TERMINAL TIME FOR AREA TYPE
3
&TERM25              TERMINAL TIME FOR AREA TYPE
3
&TERM26              TERMINAL TIME FOR AREA TYPE
3
&TERM27              TERMINAL TIME FOR AREA TYPE
3
&TERM28              TERMINAL TIME FOR AREA TYPE
3
&TERM29              TERMINAL TIME FOR AREA TYPE
3
&TERM30              TERMINAL TIME FOR AREA TYPE
1
&TERM31              TERMINAL TIME FOR AREA TYPE
3
&TERM32              TERMINAL TIME FOR AREA TYPE
1
&TERM33              TERMINAL TIME FOR AREA TYPE
1
&TERM34              TERMINAL TIME FOR AREA TYPE
1
&TERM35              TERMINAL TIME FOR AREA TYPE
1
&TERM36              TERMINAL TIME FOR AREA TYPE
1
&TERM37              TERMINAL TIME FOR AREA TYPE
1
&TERM38              TERMINAL TIME FOR AREA TYPE
1
&TERM39              TERMINAL TIME FOR AREA TYPE
1
&TERM40              TERMINAL TIME FOR AREA TYPE
2
&TERM41              TERMINAL TIME FOR AREA TYPE
2
&TERM42              TERMINAL TIME FOR AREA TYPE
3
&TERM43              TERMINAL TIME FOR AREA TYPE
2
&TERM44              TERMINAL TIME FOR AREA TYPE
2
```

```
&TERM45              TERMINAL TIME FOR AREA TYPE
2
&TERM46              TERMINAL TIME FOR AREA TYPE
2
&TERM47              TERMINAL TIME FOR AREA TYPE
2
&TERM48              TERMINAL TIME FOR AREA TYPE
2
&TERM49              TERMINAL TIME FOR AREA TYPE
2
&TERM50              TERMINAL TIME FOR AREA TYPE
1
&TERM51              TERMINAL TIME FOR AREA TYPE
1
&TERM52              TERMINAL TIME FOR AREA TYPE
1
&TERM53              TERMINAL TIME FOR AREA TYPE
1
&TERM54              TERMINAL TIME FOR AREA TYPE
1
&TERM55              TERMINAL TIME FOR AREA TYPE
1
&TERM56              TERMINAL TIME FOR AREA TYPE
1
&TERM57              TERMINAL TIME FOR AREA TYPE
1
&TERM58              TERMINAL TIME FOR AREA TYPE
1
&TERM59              TERMINAL TIME FOR AREA TYPE
1
&NODES               MAXIMUM NUMBER OF NODES IN HWY NET
15000
&UNITS               UNITS PER MILE
5280
&CONFAC              FOR CAPACITY CONSTRAINT
0.10
&CAPFAC              FOR PLOTTING LOS E
0.10
&ITER                MAXIMUM EQUILIBRIUM ITERATIONS
25
&UROADF              UROAD CAPACITY FACTOR
0.75
&DAMPING             DAMPING FACTOR USED TO MINIMIZE TIME MODULATIONS BETWEEN
ITERATION
0.5
&BPRMAX
4.0
&EPS
0.10
&CTOLL               COEFFICIENT OF TOLL FACTOR USED IN TOLL MODEL
0.08
&TOLLS1              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.10
&TOLLS2              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.15
```

```
&TOLLS3              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.20
&TOLLS4              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.25
&TOLLS5              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.30
&TOLLS6              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.35
&TOLLS7              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
1.00
&TOLLS8              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.001
&TOLLS9              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS10             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS11             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS12             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS13             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS14             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS15             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS16             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS17             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS18             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS19             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS20             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT1              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.10
```

```
&SERVT2              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.15
&SERVT3              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.20
&SERVT4              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.25
&SERVT5              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.30
&SERVT6              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.35
&SERVT7              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
1.00
&SERVT8              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.001
&SERVT9              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT10             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT11             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT12             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT13             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT14             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT15             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT16             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT17             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT18             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT19             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT20             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
```

```
&MAXTIM
70
&ATITER                 NUMBER OF GMODEL ITERATIONS
7
&AOFAC1                 AUTO OCC FOR HBW
0.7936
&AOFAC2                 AUTO OCC FOR HBSH
0.5747
&AOFAC3                 AUTO OCC FOR HBSR
0.5747
&AOFAC4                 AUTO OCC FOR HBO
0.5747
&AOFAC5                 AUTO OCC FOR NHB
0.5917
&UNCONNECT              MAXIMUM TRANSIT TIME
255
&NUMFARE                MAXIMUM NUMBER OF FARE CATEGORES
8
&HOV                    SWITCH FOR HOV TYPE
TYPE1
&HOV1
HOV LINKS, LINK GROUP 2 = 80-89
&HOV2                   IDENTIFIES WHICH HTTAB TRIPS SHOULD BE ASSIGNED
SELECTED PURPOSES = 1-2
&HOV3                   FOR PLOTTING AND REPORTING, ADD LOV AND HOV TRIPS TOGETHER
ADD PURPOSES = 1-2
&PERIOD
24
&PLOTTER
HP7586
&PLOTPENS
8
&PLOTSIZE
30
&PAPER
NORMALD
&PLOTFAC
600
&DATA
DATA
&PLOTWIN
PLOTXY.STD
&PLOTWINA
PLOTXYA.STD
&PLOTWINB
PLOTXYB.STD
&PLOTWINC
PLOTXYC.STD
&PLOTWIND
PLOTXYD.STD
&PLOTWINE
PLOTXYE.STD
&PLOTWINF
PLOTXYF.STD
&PLOTWING
PLOTXYG.STD
&PLOTWINH
```

```
PLOTXYH.STD
&CHARHT
0.05
&NAMEB
SOUTH DADE (B)
&NAMEM
MIC/INTERCON (M)
&NAMEP
NORTH/BEACH CORR  (P)
&NAMEQ
EAST/WEST CORRIDOR(Q)
&NAMER
DOWNTOWN MIAMI    (R)
&NAMES
KENDALL/SOUTH CORR(S)
&NAMET
WEST CENTRAL AREA (T)
&NAMEU
NW/PALMETTO CORR  (U)
&NAMEV
I95/NORTH CORRIDOR(V)
&NAMEZ
SUNPIKE/27TH AVE  (Z)
&NAME1
SW (1)
&NAME2
NW (2)
&NAME3
NE (3)
&NAME4
SE (4)
&MAXUTIL
0.75
&QUEMAX
100
&QUELIM
4.9
&NUMFARE
9
&TOLLFM
TOLL FACILITIES MODEL
&MULTSQ
MULTIPLE SERVER QUEUES
&ACCUQT              FLAG FOR USING TOLL FACILTIES MODEL
~ ACCUMULATE QUEUEING TIME
&GMTIME
TIME2
&CITYCODE
MIA
&TITLE
1999 MTPM
&MAXD                Maximum sidewalk area around stations
0.4
&TERM                Auto access terminal time (home end)
2.0
&DEF                 Default auto access time
2.0
```

```
&NOPT                 Usage check on second auto connector
1
&BACK                 Backtrack flag for auto connector
1
&AOC                  Auto operating costs
9.5
&OC3                  Average 3+ auto occupancy
3.20  3.20  3.20  3.20  3.20
&OCTA                 Average park/ride auto occupancy
1.2  1.2  1.2
&TASPD                Average auto access speed
26.0  26.0
&MINRUN1              Minimum walk-to-local run time
3.0
&MINRUN2              Minimum walk-to-premium run time
3.0
&MINRUN3              Minimum auto-to-local run time
30.0
&MINRUN4              Minimum auto-to-premium run time
6.0
&INFL1                Transit fare inflation
1.0
&INFL2                Auto operating cost inflation
1.0
&INFL3                Parking cost inflation
1.0
&MSMIN                Minimum mode split
0.01  0.01  0.01
&HOVUSE               HOV usage flag
2
&HOVMIN               HOV minimum time
3.0
&RAILAC               Station walk access impedance flag
0
&VAL                  Validation summary flag
0
&KRFAC                Kiss/ride additional impedance factor
1.50
&JITNEY               Jitney flag (0=none, 1=base, 2=alt)
1
&VERS                 Model Version (1=standard FSUTMS, 2=Orlando 10 purposes)
1
&DEFMS                Default Regional Mode Splits
0.07770  0.02970  0.02970
&DEFUPD               Update Zonal Default Mode Splits (1=yes, 2=no)
1
&MAXTIM
70
&TRIZONE              TRI RAIL EXTERNAL ZONE
1467
&MAXTIME
120
&ROTANG
270
&PORTRAIT
0
&LANDSCAPE
```

```
0
&ROTANGW

&PLT
plt
&ASCII
YES
&DATABASE             Optional entry to enable database capability
NO
&DBCOUT               When activated, writes database files for TASSIGN
 DBC OUTPUT, INET
&MINUROADFAC          Specifies minimum UROAD factor allowed   (Optional)
0.50
&MAXUROADFAC          Specifies maximum UROAD factor allowed
1.00
&MINCONFAC            Specifies minimum CONFAC factor allowed
0.04
&MAXCONFAC            Specifies maximum CONFAC factor allowed
1.00
&MINBPRCOEFF          Specifies minimum BPR coefficient allowed
0.0
&MAXBPRCOEFF          Specifies maximum BPR coefficient allowed
1.00
&MINBPREXP            Specifies minimum BPR exponent allowed
1.00
&MAXBPREXP            Specifies maximum BPR exponent allowed
10.00
&EMISTABLES           Tables on HTTAB file for intrazonal emissions (default =
1)
1
&ASCII                Outputs file HRLDXY.ASC (similar to NETCARD output)
YES
&VFACTORS             Required entry.  YES must start in column one
YES
&DATABASE             Optional entry to enable database capability
NO
&DBCOUT               When activated, writes database files for TASSIGN
~ DBC OUTPUT, INET
&MINUROADFAC          Specifies minimum UROAD factor allowed   (Optional)
0.50
&MAXUROADFAC          Specifies maximum UROAD factor allowed
1.00
&MINCONFAC            Specifies minimum CONFAC factor allowed
0.04
&MAXCONFAC            Specifies maximum CONFAC factor allowed
1.00
&MINBPRCOEFF          Specifies minimum BPR coefficient allowed
0.0
&MAXBPRCOEFF          Specifies maximum BPR coefficient allowed
1.00
&MINBPREXP            Specifies minimum BPR exponent allowed
1.00
&MAXBPREXP            Specifies maximum BPR exponent allowed
10.00
&EMISTABLES           Tables on HTTAB file for intrazonal emissions (default =
1)
1
```

```
&ASCII                 Outputs file HRLDXY.ASC (similar to NETCARD output)
YES
&MODELCAP
~ MODEL CAPACITY
&COLORS
1,2,3,4,5,6,7,8
&ACTC                REPORT TRANSIT TRIPS=0 for CENTERS, 1 FOR TAZs
1
&KTHROW              ACTIVITY CENTER TEMP FILES, 1=KEEP, 0=DELETE
1
&STDZ2               STANDARD FSUTMSZ2, 1=TRUE, 0=RTA
1
&SELZONE             SELECTED TAZ
1506
&DTBZERO
7000
```

Appendix I

Year 2020 EMIS.OUT and Supporting FSUTMS Reports/Files

YEAR 2020 Emissions Results

YEAR 2020 EMIS.OUT

```
1MOBILE5a FDOT: MIAMI 2020 WITH FSUTMS.V54 (Includes NLEV Starting in 2001)
 MOBILE5a (26-Mar-93)
0
-M153 Error:
 Warning: Refueling emissions in grams-per-gallon are only available using the
120 column descriptive output option (OUTFMT = 3 or 5). See MOBILE5 Users
 Guide chapters 2.1.15, 2.1.19 and 2.1.20 for more information.
0              Emission Factor Modification Profile
+              ____________________________________
0Equation  Reg  Veh  Pol  First MY  Last MY    Base     DR           Altered
+________  ___  ___  ___  ________  _______    ____    ____          _______
     1      1    7    3     1990     1990     11.65     .00            Yes
     2      1    7    3     1991     1997      9.37     .00            Yes
     3      1    7    3     1998     2003      7.49     .00            Yes
     4      1    7    3     2004     2020      3.75     .00            Yes
0MIAMI         FL
                     Minimum Temp: 69. (F)   Maximum Temp: 91. (F)
                     Period 1 RVP:  9.2      Period 2 RVP:  7.8 Period 2 Yr:
1992
0VOC HC emission factors include evaporative HC emission factors.
0_____________________________________________________________________________
_
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.:  3.0    3.0    3.0           3.0    3.0    3.0    3.0    3.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  7.93   9.34  13.70  10.65  12.96   1.10   1.54   4.43  11.68   8.58
 Exhst  HC:  4.67   5.90   9.13   6.87   6.76   1.10   1.54   4.43   8.64   5.37
 Evap.  HC:   .14    .17    .18    .17    .84                         2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:  3.10   3.25   4.37   3.59   5.33                                3.02
 Rsting HC:   .02    .02    .02    .02    .02                            .41    .02
 Exhst  CO: 65.25  69.55 105.21  80.23  70.31   4.42   4.93  34.21 155.56  67.22
 Exhst NOX:  1.63   1.91   2.90   2.20   3.31   1.85   2.11   6.84    .85   2.29

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
```

```
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.:  6.0    6.0    6.0           6.0    6.0    6.0    6.0    6.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  3.64   4.33   6.42   4.96   7.43    .95   1.32   3.80   8.17   4.18
 Exhst  HC:  2.64   3.28   5.08   3.82   5.17    .95   1.32   3.80   5.13   3.17
 Evap.  HC:   .14    .17    .18    .17    .84                         2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .84    .86   1.14    .95   1.40                                 .81
 Rsting HC:   .02    .02    .02    .02    .02                          .41    .02
 Exhst  CO: 37.20  40.39  61.10  46.59  53.98   3.48   3.88  26.93  84.55  39.66
 Exhst NOX:  1.35   1.58   2.40   1.83   3.41   1.63   1.86   6.04    .75   1.95

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.:  9.0    9.0    9.0           9.0    9.0    9.0    9.0    9.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  2.62   3.10   4.59   3.54   5.69    .82   1.14   3.29   6.60   3.06
 Exhst  HC:  1.96   2.41   3.73   2.81   4.01    .82   1.14   3.29   3.56   2.39
 Evap.  HC:   .14    .17    .18    .17    .84                         2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .50    .50    .66    .55    .81                                 .48
 Rsting HC:   .02    .02    .02    .02    .02                          .41    .02
 Exhst  CO: 27.85  30.67  46.40  35.38  42.27   2.78   3.11  21.54  54.67  29.98
 Exhst NOX:  1.25   1.47   2.23   1.70   3.52   1.46   1.66   5.40    .71   1.81

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 12.0   12.0   12.0          12.0   12.0   12.0   12.0   12.0
```

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   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  2.17   2.54   3.75   2.90   4.64    .71   1.00   2.87   5.80   2.53
 Exhst  HC:  1.63   1.97   3.05   2.30   3.16    .71   1.00   2.87   2.76   1.98
 Evap.  HC:   .14    .17    .18    .17    .84                         2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .38    .38    .50    .42    .61                                 .36
 Rsting HC:   .02    .02    .02    .02    .02                           .41    .02
 Exhst  CO: 23.18  25.81  39.05  29.77  33.76   2.26   2.53  17.52  39.92  24.94
 Exhst NOX:  1.21   1.42   2.15   1.64   3.62   1.32   1.51   4.89    .70   1.72

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 15.0   15.0   15.0          15.0   15.0   15.0   15.0   15.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.88   2.20   3.24   2.51   3.88    .63    .87   2.52   5.34   2.20
 Exhst  HC:  1.42   1.71   2.65   1.99   2.53    .63    .87   2.52   2.30   1.72
 Evap.  HC:   .14    .17    .18    .17    .84                         2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .30    .30    .39    .33    .49                                 .29
 Rsting HC:   .02    .02    .02    .02    .02                           .41    .02
 Exhst  CO: 20.37  22.89  34.63  26.41  27.51   1.87   2.09  14.49  31.62  21.83
 Exhst NOX:  1.18   1.38   2.10   1.60   3.72   1.21   1.38   4.48    .72   1.66

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 18.0   18.0   18.0          18.0   18.0   18.0   18.0   18.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.69   1.96   2.89   2.24   3.31    .56    .77   2.23   5.05   1.96
 Exhst  HC:  1.29   1.54   2.38   1.79   2.05    .56    .77   2.23   2.01   1.54
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 Evap.  HC:   .14    .17    .18    .17    .84                         2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .24    .24    .32    .26    .40                                 .23
 Rsting HC:   .02    .02    .02    .02    .02                           .41    .02
 Exhst  CO: 18.51  20.95  31.69  24.17  22.86   1.57   1.76  12.17  26.36  19.71
 Exhst NOX:  1.16   1.36   2.07   1.57   3.83   1.13   1.28   4.16    .76   1.62

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 21.0   21.0   21.0          21.0   21.0   21.0   21.0   21.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.51   1.76   2.59   2.01   2.89    .50    .69   1.99   4.84   1.75
 Exhst  HC:  1.15   1.37   2.13   1.60   1.69    .50    .69   1.99   1.81   1.37
 Evap.  HC:   .14    .17    .18    .17    .84                         2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .20    .20    .27    .22    .34                                 .19
 Rsting HC:   .02    .02    .02    .02    .02                           .41    .02
 Exhst  CO: 16.27  18.62  28.17  21.48  19.38   1.34   1.50  10.40  22.64  17.35
 Exhst NOX:  1.16   1.35   2.05   1.56   3.93   1.06   1.21   3.92    .80   1.60

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 24.0   24.0   24.0          24.0   24.0   24.0   24.0   24.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.35   1.59   2.33   1.81   2.57    .45    .62   1.79   4.69   1.57
 Exhst  HC:  1.01   1.23   1.90   1.43   1.41    .45    .62   1.79   1.65   1.21
 Evap.  HC:   .14    .17    .18    .17    .84                         2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .18    .18    .24    .19    .29                                 .17
 Rsting HC:   .02    .02    .02    .02    .02                           .41    .02
 Exhst  CO: 13.82  16.02  24.23  18.48  16.75   1.17   1.30   9.03  19.78  14.83
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 Exhst NOX:  1.18   1.35   2.05   1.56   4.03   1.01   1.15   3.73    .85   1.60

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 27.0   27.0   27.0          27.0   27.0   27.0   27.0   27.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.22   1.45   2.12   1.65   2.33    .41    .56   1.63   4.55   1.43
 Exhst  HC:   .90   1.11   1.72   1.29   1.20    .41    .56   1.63   1.52   1.09
 Evap.  HC:   .14    .17    .18    .17    .84                         2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .16    .16    .21    .17    .26                                 .15
 Rsting HC:   .02    .02    .02    .02    .02                          .41    .02
 Exhst  CO: 11.91  13.99  21.16  16.14  14.77   1.03   1.15   7.97  17.43  12.87
 Exhst NOX:  1.20   1.36   2.06   1.57   4.13    .98   1.11   3.60    .90   1.60

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 30.0   30.0   30.0          30.0   30.0   30.0   30.0   30.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.12   1.35   1.96   1.53   2.13    .37    .52   1.49   4.44   1.32
 Exhst  HC:   .82   1.02   1.58   1.19   1.03    .37    .52   1.49   1.40    .99
 Evap.  HC:   .14    .17    .18    .17    .84                         2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .14    .14    .19    .16    .24                                 .14
 Rsting HC:   .02    .02    .02    .02    .02                          .41    .02
 Exhst  CO: 10.38  12.37  18.71  14.27  13.29    .92   1.03   7.15  15.47  11.31
 Exhst NOX:  1.21   1.36   2.06   1.57   4.24    .95   1.09   3.52    .94   1.61

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
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0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 33.0   33.0   33.0          33.0   33.0   33.0   33.0   33.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.03   1.26   1.83   1.43   1.98    .34    .48   1.37   4.34   1.22
 Exhst  HC:   .75    .94   1.46   1.10    .90    .34    .48   1.37   1.30    .91
 Evap.  HC:   .14    .17    .18    .17    .84                         2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .13    .13    .17    .14    .21                                .12
 Rsting HC:   .02    .02    .02    .02    .02                           .41    .02
 Exhst  CO:  9.13  11.04  16.71  12.74  12.19    .84    .94   6.52  13.82  10.05
 Exhst NOX:  1.22   1.36   2.06   1.57   4.34    .94   1.08   3.49    .98   1.62

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 36.0   36.0   36.0          36.0   36.0   36.0   36.0   36.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .96   1.18   1.72   1.34   1.86    .32    .44   1.27   4.26   1.14
 Exhst  HC:   .69    .88   1.36   1.03    .80    .32    .44   1.27   1.22    .84
 Evap.  HC:   .14    .17    .18    .17    .84                         2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .12    .12    .16    .13    .19                                .11
 Rsting HC:   .02    .02    .02    .02    .02                           .41    .02
 Exhst  CO:  8.09   9.94  15.03  11.46  11.41    .78    .87   6.05  12.46   9.00
 Exhst NOX:  1.23   1.36   2.07   1.57   4.44    .95   1.08   3.50   1.01   1.63

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
```

```
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 39.0   39.0   39.0          39.0   39.0   39.0   39.0   39.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .90   1.12   1.62   1.27   1.77    .30    .41   1.19   4.19   1.08
 Exhst  HC:   .64    .83   1.28    .96    .72    .30    .41   1.19   1.16    .78
 Evap.  HC:   .14    .17    .18    .17    .84                         2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .10    .11    .14    .12    .18                                 .10
 Rsting HC:   .02    .02    .02    .02    .02                           .41    .02
 Exhst  CO:  7.21   9.00  13.62  10.39  10.89    .74    .82   5.70  11.39   8.12
 Exhst NOX:  1.23   1.36   2.07   1.57   4.54    .96   1.10   3.55   1.03   1.64

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                 Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 42.0   42.0   42.0          42.0   42.0   42.0   42.0   42.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .85   1.07   1.54   1.21   1.69    .28    .39   1.12   4.14   1.02
 Exhst  HC:   .60    .78   1.21    .91    .66    .28    .39   1.12   1.11    .74
 Evap.  HC:   .14    .17    .18    .17    .84                         2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .09    .10    .13    .11    .16                                 .09
 Rsting HC:   .02    .02    .02    .02    .02                           .41    .02
 Exhst  CO:  6.45   8.20  12.41   9.46  10.61    .71    .79   5.46  10.57   7.38
 Exhst NOX:  1.24   1.36   2.07   1.58   4.65    .99   1.13   3.66   1.05   1.65

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                 Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
```

```
 Veh. Spd.: 45.0   45.0   45.0          45.0   45.0   45.0   45.0   45.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .81   1.02   1.47   1.15   1.63    .27    .37   1.07   4.11    .97
 Exhst  HC:   .56    .74   1.15    .86    .61    .27    .37   1.07   1.07    .70
 Evap.  HC:   .14    .17    .18    .17    .84                         2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .09    .09    .12    .10    .15                                 .08
 Rsting HC:   .02    .02    .02    .02    .02                           .41    .02
 Exhst  CO:  5.80   7.51  11.36   8.66  10.53    .69    .77   5.32   9.96   6.75
 Exhst NOX:  1.24   1.37   2.07   1.58   4.75   1.03   1.18   3.81   1.07   1.67

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 48.0   48.0   48.0          48.0   48.0   48.0   48.0   48.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .77    .98   1.41   1.11   1.58    .26    .36   1.02   4.09    .93
 Exhst  HC:   .53    .71   1.10    .82    .58    .26    .36   1.02   1.05    .66
 Evap.  HC:   .14    .17    .18    .17    .84                         2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .08    .08    .11    .09    .14                                 .08
 Rsting HC:   .02    .02    .02    .02    .02                           .41    .02
 Exhst  CO:  5.22   6.90  10.44   7.96  10.67    .68    .76   5.26   9.50   6.21
 Exhst NOX:  1.25   1.37   2.07   1.58   4.85   1.09   1.24   4.02   1.09   1.70

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 51.0   51.0   51.0          51.0   51.0   51.0   51.0   51.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .76    .97   1.39   1.10   1.54    .25    .34    .99   4.09    .92
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 Exhst  HC:   .53    .71   1.10    .82    .55    .25    .34    .99   1.05    .66
 Evap.  HC:   .14    .17    .18    .17    .84                         2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .07    .07    .10    .08    .12                                .07
 Rsting HC:   .02    .02    .02    .02    .02                             .41    .02
 Exhst  CO:  5.22   6.90  10.44   7.96  11.02    .68    .76   5.30   9.50   6.22
 Exhst NOX:  1.36   1.52   2.30   1.75   4.96   1.16   1.33   4.30   1.20   1.84

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 54.0   54.0   54.0          54.0   54.0   54.0   54.0   54.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .75    .96   1.38   1.09   1.51    .24    .33    .96   4.09    .91
 Exhst  HC:   .53    .71   1.10    .82    .54    .24    .33    .96   1.05    .65
 Evap.  HC:   .14    .17    .18    .17    .84                         2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .06    .07    .09    .07    .11                                .06
 Rsting HC:   .02    .02    .02    .02    .02                             .41    .02
 Exhst  CO:  5.22   6.90  10.44   7.96  11.62    .70    .78   5.42   9.50   6.25
 Exhst NOX:  1.46   1.67   2.53   1.93   5.06   1.26   1.44   4.66   1.30   1.99

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 57.0   57.0   57.0          57.0   57.0   57.0   57.0   57.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .78    .99   1.43   1.13   1.49    .24    .33    .95   4.24    .93
 Exhst  HC:   .57    .75   1.16    .87    .53    .24    .33    .95   1.20    .69
 Evap.  HC:   .14    .17    .18    .17    .84                         2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .06    .06    .08    .07    .10                                .05
 Rsting HC:   .02    .02    .02    .02    .02                             .41    .02
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 Exhst  CO:  6.18   8.01  12.12   9.25  12.49    .73    .81   5.63  14.07   7.25
 Exhst NOX:  1.57   1.82   2.76   2.10   5.16   1.38   1.58   5.11   1.41   2.14

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 60.0   60.0   60.0          60.0   60.0   60.0   60.0   60.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .83   1.05   1.52   1.19   1.48    .23    .33    .94   4.47    .98
 Exhst  HC:   .62    .81   1.25    .94    .53    .23    .33    .94   1.43    .74
 Evap.  HC:   .14    .17    .18    .17    .84                        2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .05    .05    .07    .06    .09                                .05
 Rsting HC:   .02    .02    .02    .02    .02                         .41    .02
 Exhst  CO:  7.61   9.69  14.65  11.17  13.69    .77    .86   5.96  20.93   8.74
 Exhst NOX:  1.68   1.97   2.99   2.28   5.26   1.54   1.75   5.68   1.52   2.31

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 63.0   63.0   63.0          63.0   63.0   63.0   63.0   63.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .89   1.10   1.60   1.25   1.48    .23    .32    .93   4.69   1.03
 Exhst  HC:   .68    .87   1.34   1.01    .54    .23    .32    .93   1.66    .80
 Evap.  HC:   .14    .17    .18    .17    .84                        2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .05    .05    .07    .05    .08                                .05
 Rsting HC:   .02    .02    .02    .02    .02                         .41    .02
 Exhst  CO:  9.05  11.36  17.18  13.10  15.32    .83    .92   6.40  27.79  10.26
 Exhst NOX:  1.78   2.13   3.22   2.45   5.37   1.73   1.97   6.39   1.62   2.49

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0Emission factors are as of July 1st of the indicated calendar year.
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 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 65.0   65.0   65.0          65.0   65.0   65.0   65.0   65.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .92   1.14   1.66   1.29   1.49    .23    .33    .94   4.84   1.07
 Exhst  HC:   .72    .90   1.40   1.05    .55    .23    .33    .94   1.81    .83
 Evap.  HC:   .14    .17    .18    .17    .84                         2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .04    .05    .06    .05    .08                                 .04
 Rsting HC:   .02    .02    .02    .02    .02                           .41    .02
 Exhst  CO: 10.00  12.47  18.87  14.39  16.68    .87    .98   6.77  32.36  11.29
 Exhst NOX:  1.86   2.23   3.38   2.57   5.44   1.88   2.15   6.96   1.69   2.62
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 FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 08:53:19  28OCT01

 INPUT CARD ECHO

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

SCENARIO  1        MOBILE.TEM
THE FOLLOWING IS A MATRIX WHICH ASSIGNS A SCENARIO TO EACH FT/AT COMBINATION
AT=>     1     2     3     4     5
_____________________________________
FT |
 1 |     1     1     1     1     1
 2 |     1     1     1     1     1
 3 |     1     1     1     1     1
 4 |     1     1     1     1     1
 5 |     1     1     1     1     1
 6 |     1     1     1     1     1
 7 |     1     1     1     1     1
 8 |     1     1     1     1     1
 9 |     1     1     1     1     1

INPUT COORDINATE SCALE(UNITS) FROM PROFILE.MAS IS   5280
 ***INFO*** ALL REPORT VALUES ARE BEING ADJUSTED BY A FACTOR 0F 0.9557
```

FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
- RUN TIME: 08:53:19 28OCT01

EMISSIONS IN GRAMS PER DAY

INFO all reported values have been adjusted by EMISFAC = 0.9557

- -

GEOGRAPHIC LOCATION NO 1

INFO all reported values have been adjusted by EMISFAC = 0.9557

FT	AT	TOTAL VOC	EXHAUST HC	EVAPORATE HC	REFUELING HC	RUN LOSS HC	EXHAUST CO	EXHAUST NOx
1	1	447946.	332318.	63504.	0.	44018.	3650788.	607199.
1	2	104666.	77397.	14634.	0.	10370.	854097.	140743.
1	3	7981022.	5990154.	997994.	0.	866687.	67909064.	9656872.
1	4	6598870.	4998719.	790357.	0.	707754.	58334332.	7579759.
1	5	613881.	476386.	45803.	0.	86301.	5885946.	460698.
2	1	497130.	385882.	33353.	0.	73791.	4862316.	336886.
2	2	13931.	10767.	1482.	0.	1507.	132120.	14016.
2	3	17747770.	13700700.	1690445.	0.	2156140.	168726272.	16223642.
2	4	17812534.	13797488.	1502406.	0.	2333270.	171928368.	14622756.
2	5	594618.	434713.	95861.	0.	51091.	4475349.	1012266.
3	1	308980.	239306.	23743.	0.	43116.	3033674.	231923.
3	2	3864.	2998.	400.	0.	418.	37280.	3762.
3	3	5742250.	4449220.	527180.	0.	703349.	55220360.	5066763.
3	4	3074501.	2348843.	253998.	0.	441475.	29297488.	2470082.
3	5	708904.	520896.	106290.	0.	67726.	5548982.	1023408.
4	1	146453.	114643.	11093.	0.	19411.	1454362.	108915.
4	2	25263.	19721.	1796.	0.	3531.	249159.	17905.
4	3	7468595.	5749710.	695420.	0.	940927.	71010504.	6678017.
4	4	2453643.	1889926.	220164.	0.	317439.	23430508.	2122807.
4	5	901225.	656912.	126361.	0.	101701.	7094158.	1220071.
5	1	132483.	103474.	7425.	0.	20709.	1298206.	78851.
5	2	8698.	6809.	603.	0.	1215.	85845.	6054.
5	3	4045639.	3159929.	335875.	0.	510316.	39940676.	3270591.
5	4	2371925.	1854407.	185441.	0.	310260.	23527280.	1809741.
5	5	377704.	290845.	46847.	0.	33477.	3641547.	536396.
6	1	564146.	438188.	41148.	0.	79901.	5519651.	408536.
6	2	14616.	11222.	1299.	0.	1940.	139141.	12557.
6	3	630248.	479633.	57172.	0.	86558.	5857037.	556958.
6	4	984848.	764448.	80604.	0.	130254.	9613001.	783815.
7	1	189629.	144995.	12037.	0.	31155.	1828379.	122379.
7	2	66087.	50061.	5009.	0.	10416.	633512.	48839.
7	3	1823632.	1361073.	125820.	0.	321172.	16916294.	1264039.
7	4	1527243.	1162347.	119965.	0.	230362.	14395971.	1184092.
7	5	47111.	35590.	5347.	0.	5455.	412603.	52006.
8	3	709158.	527653.	101438.	0.	67186.	5795932.	1036618.
8	4	31223.	23435.	4307.	0.	2907.	263991.	44295.
9	3	4809714.	3499635.	719135.	0.	500306.	36765608.	7333266.
9	4	233825.	167740.	24718.	0.	37702.	1908579.	274222.
9	5	652972.	488911.	114980.	0.	35499.	5462918.	1491190.

GL TOTAL	92466864.	70767120.	9191454.	0.	11386791.	857144768.	89912792.
(TONS)	101.84	77.94	10.12	0.00	12.54	943.99	99.02

FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
- RUN TIME: 08:53:19 28OCT01

EMISSIONS IN GRAMS PER DAY

INFO all reported values have been adjusted by EMISFAC = 0.9557

- -

ALL GEOGRAPHIC LOCATIONS

FT	AT	TOTAL VOC	EXHAUST HC	EVAPORATE HC	REFUELING HC	RUN LOSS HC	EXHAUST CO	EXHAUST NOx
1	1	447946.	332318.	63504.	0.	44018.	3650788.	607199.
1	2	104666.	77397.	14634.	0.	10370.	854097.	140743.
1	3	7981022.	5990154.	997994.	0.	866687.	67909064.	9656872.
1	4	6598870.	4998719.	790357.	0.	707754.	58334332.	7579759.
1	5	613881.	476386.	45803.	0.	86301.	5885946.	460698.
2	1	497130.	385882.	33353.	0.	73791.	4862316.	336886.
2	2	13931.	10767.	1482.	0.	1507.	132120.	14016.
2	3	17747770.	13700700.	1690445.	0.	2156140.	168726272.	16223642.
2	4	17812534.	13797488.	1502406.	0.	2333270.	171928368.	14622756.
2	5	594618.	434713.	95861.	0.	51091.	4475349.	1012266.
3	1	308980.	239306.	23743.	0.	43116.	3033674.	231923.
3	2	3864.	2998.	400.	0.	418.	37280.	3762.
3	3	5742250.	4449220.	527180.	0.	703349.	55220360.	5066763.
3	4	3074501.	2348843.	253998.	0.	441475.	29297488.	2470082.
3	5	708904.	520896.	106290.	0.	67726.	5548982.	1023408.
4	1	146453.	114643.	11093.	0.	19411.	1454362.	108915.
4	2	25263.	19721.	1796.	0.	3531.	249159.	17905.
4	3	7468595.	5749710.	695420.	0.	940927.	71010504.	6678017.
4	4	2453643.	1889926.	220164.	0.	317439.	23430508.	2122807.
4	5	901225.	656912.	126361.	0.	101701.	7094158.	1220071.
5	1	132483.	103474.	7425.	0.	20709.	1298206.	78851.
5	2	8698.	6809.	603.	0.	1215.	85845.	6054.
5	3	4045639.	3159929.	335875.	0.	510316.	39940676.	3270591.
5	4	2371925.	1854407.	185441.	0.	310260.	23527280.	1809741.
5	5	377704.	290845.	46847.	0.	33477.	3641547.	536396.
6	1	564146.	438188.	41148.	0.	79901.	5519651.	408536.
6	2	14616.	11222.	1299.	0.	1940.	139141.	12557.
6	3	630248.	479633.	57172.	0.	86558.	5857037.	556958.
6	4	984848.	764448.	80604.	0.	130254.	9613001.	783815.
7	1	189629.	144995.	12037.	0.	31155.	1828379.	122379.
7	2	66087.	50061.	5009.	0.	10416.	633512.	48839.
7	3	1823632.	1361073.	125820.	0.	321172.	16916294.	1264039.
7	4	1527243.	1162347.	119965.	0.	230362.	14395971.	1184092.
7	5	47111.	35590.	5347.	0.	5455.	412603.	52006.
8	3	709158.	527653.	101438.	0.	67186.	5795932.	1036618.
8	4	31223.	23435.	4307.	0.	2907.	263991.	44295.
9	3	4809714.	3499635.	719135.	0.	500306.	36765608.	7333266.
9	4	233825.	167740.	24718.	0.	37702.	1908579.	274222.
9	5	652972.	488911.	114980.	0.	35499.	5462918.	1491190.
SUM		92466864.	70767120.	9191454.	0.	11386791.	857144768.	89912792.
(TONS)		101.84	77.94	10.12	0.00	12.54	943.99	99.02

FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
- RUN TIME: 08:53:19 28OCT01

EMISSIONS IN GRAMS PER DAY

INFO all reported values have been adjusted by EMISFAC = 0.9557

FACILITY TYPE	TOTAL VOC	EXHAUST HC	EVAPORATE HC	REFUELING HC	RUN LOSS HC	EXHAUST CO	EXHAUST NOx
1	15746386.	11874977.	1912292.	0.	1715130.	136634176.	18445286.
2	36665932.	28329634.	3323541.	0.	4615799.	350125472.	32209546.
3	9838495.	7561264.	911610.	0.	1256085.	93137696.	8795941.
4	10995182.	8430893.	1054833.	0.	1383005.	103238864.	10147712.
5	6936465.	5415463.	576193.	0.	875977.	68493624.	5701621.
6	2193858.	1693491.	180224.	0.	298652.	21128836.	1761867.
7	3653704.	2754067.	268178.	0.	598561.	34186748.	2671353.
8	740381.	551088.	105745.	0.	70093.	6059923.	1080912.
9	5696512.	4156286.	858832.	0.	573507.	44137120.	9098679.
SUM	92466864.	70767120.	9191454.	0.	11386791.	857144768.	89912792.
(TONS)	101.84	77.94	10.12	0.00	12.54	943.99	99.02

AREA TYPE	TOTAL VOC	EXHAUST HC	EVAPORATE HC	REFUELING HC	RUN LOSS HC	EXHAUST CO	EXHAUST NOx
1	2286767.	1758805.	192303.	0.	312101.	21647376.	1894688.
2	237125.	178975.	25223.	0.	29397.	2131154.	243876.
3	50958096.	38917800.	5250471.	0.	6152635.	468141440.	51086596.
4	35088568.	27007396.	3181956.	0.	4511420.	332700064.	30891556.
5	3896413.	2904253.	541488.	0.	381250.	32521524.	5796031.
SUM	92466864.	70767120.	9191454.	0.	11386791.	857144768.	89912792.
(TONS)	101.84	77.94	10.12	0.00	12.54	943.99	99.02

NUMBER LANES	TOTAL VOC	EXHAUST HC	EVAPORATE HC	REFUELING HC	RUN LOSS HC	EXHAUST CO	EXHAUST NOx
1	23627182.	18126854.	2031792.	0.	3221950.	224694048.	19925792.
2	30106006.	23144962.	2948396.	0.	3656188.	282747328.	28794562.
3	28656360.	21928982.	2904759.	0.	3469518.	263950384.	28602672.
4	5531458.	4148727.	710266.	0.	583564.	46855560.	6847422.
5	4294071.	3234190.	557315.	0.	432081.	36969908.	5367502.
6	251783.	183427.	38931.	0.	23510.	1924194.	375038.
SUM	92466864.	70767120.	9191454.	0.	11386791.	857144768.	89912792.
(TONS)	101.84	77.94	10.12	0.00	12.54	943.99	99.02

```
 FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 08:53:19  28OCT01

 DAILY VEHICLE MILES

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
DAILY VMT - GEOGRAPHIC LOCATION NO      1:

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557
```

FT	1	2	3	4	5	TOTAL
	----------	----------	AREA TYPES	----------	----------	
1	373555.	86081.	6106317.	4649161.	269428.	11484542.
2	196194.	8720.	9966648.	8863573.	563886.	19599022.
3	142680.	2351.	3101662.	1494104.	625235.	5366033.
4	65251.	10565.	4090712.	1296417.	743300.	6206244.
5	43677.	3547.	1975740.	1090830.	349039.	3462834.
6	242835.	7644.	336305.	474143.	0.	1060927.
7	70805.	29465.	759408.	707230.	31452.	1598359.
8	0.	0.	596694.	25334.	0.	622028.
9	0.	0.	4281455.	145453.	687093.	5114002.
GL TOTAL	1134995.	148373.	31214890.	18746238.	3269432.	54513928.

```
 FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 08:53:19  28OCT01

 DAILY VEHICLE MILES

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
DAILY VMT - ALL GEOGRAPHIC LOCATIONS
            ---------------- AREA TYPES -----------------
 FT             1         2         3         4         5     TOTAL
_____________________________________________________________________________

  1        373555.    86081.  6106317.  4649161.   269428. 11484542.
  2        196194.     8720.  9966648.  8863573.   563886. 19599022.
  3        142680.     2351.  3101662.  1494104.   625235.  5366033.
  4         65251.    10565.  4090712.  1296417.   743300.  6206244.
  5         43677.     3547.  1975740.  1090830.   349039.  3462834.
  6        242835.     7644.   336305.   474143.        0.  1060927.
  7         70805.    29465.   759408.   707230.    31452.  1598359.
  8             0.        0.   596694.    25334.        0.   622028.
  9             0.        0.  4281455.   145453.   687093.  5114002.

 TOTAL    1134995.   148373. 31214890. 18746238.  3269432. 54513928.
--------------------
 DAILY VMT
FACILITY
    TYPE
____________________

     1   11484542.
     2   19599052.
     3    5366033.
     4    6206241.
     5    3462834.
     6    1060926.
     7    1598363.
     8     622028.
     9    5113998.

 TOTAL   54514160.
--------------------
 DAILY VMT
    AREA
    TYPE
____________________

     1    1134995.
     2     148373.
     3   31214890.
     4   18746238.
     5    3269432.

 TOTAL   54514160.
-------------------------------------------------------------------------------
 DAILY VMT
```

NUMBER LANES	
1	11984734.
2	17396186.
3	17306030.
4	4319706.
5	3278323.
6	229003.
TOTAL	54514160.

```
 FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 08:53:19  28OCT01

 DAILY VEHICLE HOURS

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
DAILY VHT - GEOGRAPHIC LOCATION NO      1

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557
```

FT	1	2	3	4	5	TOTAL
	---------- AREA TYPES ----------					
1	11051.	2602.	978207.	173997.	19817.	1185674.
2	16443.	373.	521806.	552200.	13758.	1104580.
3	10799.	103.	165874.	91927.	17139.	285844.
4	4505.	805.	214076.	71811.	22986.	314183.
5	4785.	284.	118460.	71440.	9841.	204810.
6	18322.	424.	18536.	29390.	0.	66672.
7	6179.	1959.	71188.	48408.	1306.	129040.
8	0.	0.	17283.	763.	0.	18046.
9	0.	0.	168986.	6513.	18423.	193921.
GL TOTAL	72085.	6551.	2274409.	1046448.	103269.	3502762.

```
 FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 08:53:19  28OCT01

 DAILY VEHICLE HOURS

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
DAILY VHT - ALL GEOGRAPHIC LOCATIONS
            ---------------- AREA TYPES -----------------
 FT             1         2         3         4         5     TOTAL
_____________________________________________________________________________

  1         11051.     2602.   978207.   173997.    19817.  1185674.
  2         16443.      373.   521806.   552200.    13758.  1104580.
  3         10799.      103.   165874.    91927.    17139.   285844.
  4          4505.      805.   214076.    71811.    22986.   314183.
  5          4785.      284.   118460.    71440.     9841.   204810.
  6         18322.      424.    18536.    29390.        0.    66672.
  7          6179.     1959.    71188.    48408.     1306.   129040.
  8             0.        0.    17283.      763.        0.    18046.
  9             0.        0.   168986.     6513.    18423.   193921.

 TOTAL      72085.     6551.  2274409.  1046448.   103269.  3502762.
--------------------
 DAILY VHT
FACILITY
    TYPE
____________________

     1    1185675.
     2    1104581.
     3     285844.
     4     314183.
     5     204810.
     6      66672.
     7     129040.
     8      18046.
     9     193921.

 TOTAL    3502777.
--------------------
 DAILY VHT
    AREA
    TYPE
____________________

     1      72085.
     2       6551.
     3    2274409.
     4    1046448.
     5     103269.

 TOTAL    3502777.
--------------------
 DAILY VHT
```

NUMBER LANES	
1	725117.
2	895679.
3	1589466.
4	177525.
5	108962.
6	6022.
TOTAL	3502777.

```
 FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 08:53:19  28OCT01

 AVERAGE CONGESTED SPEED (mph)

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
AVERAGE SPEED - GEOGRAPHIC LOCATION NO      1

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557
```

FT	1	2	3	4	5
	---------- AREA TYPES ----------				
1	33.80	33.08	6.24	26.72	13.60
2	11.93	23.37	19.10	16.05	40.99
3	13.21	22.75	18.70	16.25	36.48
4	14.48	13.13	19.11	18.05	32.34
5	9.13	12.49	16.68	15.27	35.47
6	13.25	18.03	18.14	16.13	0.00
7	11.46	15.04	10.67	14.61	24.09
8	0.00	0.00	34.52	33.22	0.00
9	0.00	0.00	25.34	22.33	37.30
GL TOTAL	15.75	22.65	13.72	17.91	31.66

```
 FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 08:53:19  28OCT01

 AVERAGE CONGESTED SPEED (mph)

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
AVERAGE SPEED - ALL GEOGRAPHIC LOCATIONS
            ---------------- AREA TYPES -----------------
 FT             1         2         3         4         5
_____________________________________________________________________________

  1          33.80     33.08      6.24     26.72     13.60
  2          11.93     23.37     19.10     16.05     40.99
  3          13.21     22.75     18.70     16.25     36.48
  4          14.48     13.13     19.11     18.05     32.34
  5           9.13     12.49     16.68     15.27     35.47
  6          13.25     18.03     18.14     16.13      0.00
  7          11.46     15.04     10.67     14.61     24.09
  8           0.00      0.00     34.52     33.22      0.00
  9           0.00      0.00     25.34     22.33     37.30

 TOTAL       15.75     22.65     13.72     17.91     31.66
--------------------
 AVERAGE SPEED
FACILITY
    TYPE
____________________

     1        9.69
     2       17.74
     3       18.77
     4       19.75
     5       16.91
     6       15.91
     7       12.39
     8       34.47
     9       26.37

 TOTAL       15.56
--------------------
 AVERAGE SPEED
    AREA
    TYPE
____________________

     1       15.75
     2       22.65
     3       13.72
     4       17.91
     5       31.66

 TOTAL       15.56
--------------------
 AVERAGE SPEED
```

NUMBER LANES	
1	16.53
2	19.42
3	10.89
4	24.33
5	30.09
6	38.03
TOTAL	15.56

YEAR 2020 EMISSYN.20A

```
SCENARIO  1        MOBILE.TEM
THE FOLLOWING IS A MATRIX WHICH ASSIGNS A SCENARIO TO EACH FT/AT COMBINATION
AT=>     1     2     3     4     5
_____________________________________
FT |
 1 |     1     1     1     1     1
 2 |     1     1     1     1     1
 3 |     1     1     1     1     1
 4 |     1     1     1     1     1
 5 |     1     1     1     1     1
 6 |     1     1     1     1     1
 7 |     1     1     1     1     1
 8 |     1     1     1     1     1
 9 |     1     1     1     1     1
```

YEAR 2020 HEVAL.OUT

```
   FLORIDA D.O.T.         Miami-Dade      2020 MODEL
PAGE NO.     1
       FSUTMS                                    HIGHWAY ASSIGNMENT
DATE   27OCT01
      VER 5.40
TIME  00:24:07

 "HELABELS.SYN" CONTENTS:

          LABEL FT 11  1  1 FREEWAY  FREEWAY
          LABEL FT 12  1  1
          LABEL FT 15  1  1
          LABEL FT 16  1  1
          LABEL FT 17  1  1
          LABEL FT 21  2  2 D. ART   DIV. ARTERIAL
          LABEL FT 22  2  2
          LABEL FT 23  2  2
          LABEL FT 24  2  2
          LABEL FT 25  2  2
          LABEL FT 31  3  3 U. ART   UNDIV. ARTERIAL
          LABEL FT 32  3  3
          LABEL FT 33  3  3
          LABEL FT 34  3  3
          LABEL FT 35  3  3
          LABEL FT 36  3  3
          LABEL FT 37  3  3
          LABEL FT 38  3  3
          LABEL FT 41  4  4 COLLCTR  COLLECTOR
          LABEL FT 42  4  4
          LABEL FT 43  4  4
          LABEL FT 44  4  4
          LABEL FT 45  4  4
          LABEL FT 46  4  4
          LABEL FT 47  4  4
          LABEL FT 48  4  4
          LABEL FT 51  5  5 LOCAL    CENTROID CONN.
          LABEL FT 52  5  5
          LABEL FT 61  6  6 1 WAY    ONE WAY
          LABEL FT 62  6  6
          LABEL FT 63  6  6
          LABEL FT 64  6  6
          LABEL FT 65  6  6
          LABEL FT 66  6  6
          LABEL FT 67  6  6
          LABEL FT 68  6  6
          LABEL FT 71  7  7 RAMP     RAMPS
          LABEL FT 72  7  7
          LABEL FT 73  7  7
          LABEL FT 74  7  7
          LABEL FT 75  7  7
          LABEL FT 76  7  7
          LABEL FT 77  7  7
          LABEL FT 78  7  7
          LABEL FT 79  7  7
          LABEL FT 81  8  8 HOV      HOV
          LABEL FT 82  8  8
```

```
LABEL FT 83  8  8
LABEL FT 84  8  8
```

```
   FLORIDA D.O.T.         Miami-Dade      2020 MODEL
PAGE NO.     2
       FSUTMS                                    HIGHWAY ASSIGNMENT
DATE   27OCT01
      VER 5.40
TIME  00:24:07

 "HELABELS.SYN" CONTENTS:

          LABEL FT 85  8  8
          LABEL FT 86  8  8
          LABEL FT 87  8  8
          LABEL FT 88  8  8
          LABEL FT 89  8  8
          LABEL FT 91  9  9 TOLL     TOLL
          LABEL FT 92  9  9
          LABEL FT 93  9  9
          LABEL FT 94  9  9
          LABEL FT 95  9  9
          LABEL FT 96  9  9
          LABEL FT 97  9  9
          LABEL FT 98  9  9
          LABEL FT 99  9  9
          LABEL AT 11  1  1 CBD      CBD
          LABEL AT 12  1  1
          LABEL AT 13  1  1
          LABEL AT 14  1  1
          LABEL AT 21  2  2 FRINGE   FRINGE
          LABEL AT 31  3  3 RESID.   RESIDENTIAL
          LABEL AT 32  3  3
          LABEL AT 33  3  3
          LABEL AT 34  3  3
          LABEL AT 41  4  4 OBD      OBD
          LABEL AT 42  4  4
          LABEL AT 43  4  4
          LABEL AT 44  4  4
          LABEL AT 51  5  5 RURAL    RURAL
          LABEL AT 52  5  5
```

```
   FLORIDA D.O.T.         Miami-Dade      2020 MODEL
PAGE NO.     3
       FSUTMS                                    HIGHWAY ASSIGNMENT
DATE   27OCT01
      VER 5.40
TIME  00:24:07
```

FACILITY TYPES SELECTED:

FACILITY TYPES SKIPPED:

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	

AREA TYPES SELECTED:

AREA TYPES SKIPPED:

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	

```
***    *** ********** ***    ***  ********  ***
***    *** ********** ***    *** ********** ***
***    *** ***         ***  ***  ***    *** ***
********** ******      ***  ***  ********** ***
********** ******       ******   ********** ***
***    *** ***           ****    ***    *** ***
***    *** **********    ****    ***    *** **********
***    *** **********     **     ***    *** **********
```

(CONTACT DATA MANAGER (BMMP) 904-488-4640 IF YOU HAVE QUESTIONS)

```
****   *****   ****   ****  ****   *****  ****   *****  *****   ***   *   *
*   *  *      *      *      *   *    *    *   *    *      *    *  *  **  *
*   *  ****    ***   *      ****     *    ****     *      *    *  *  * * *
*   *  *          *  *      *  *     *    *        *      *    *  *  *  **
****   *****  ****    ****  *   *  *****  *        *    *****   ***   *   *
```

HEVAL MODULE (D5520931.DRIVER.SETUP.FORT(HEVAL))

A GENERAL PURPOSE HIGHWAY EVALUATION PROGRAM DESIGNED TO PROVIDE THE TRANSPORTATION PLANNER WITH A TOOL TO EVALUATE A HIGHWAY ASSIGNMENT. THE PROGRAM OPERATES IN TWO MODES. ONE MODE ALLOWS THE USER TO PRINT A VARIETY OF REPORTS DESIGNED TO ASSIST IN THE TASK OF MODEL VALIDATION. THIS MODE IS REFERRED TO INTERNALLY AS VALIDATION AND IS SET BY THE USER WITH A STATEMENT - "VALIDATE=T"
THE OTHER MODE IS AS AN ASSIGNMENT ANALYSIS TOOL. THIS MODE IS GENERALLY USED FOR ASSIGNMENTS TO FUTURE YEAR NETWORKS. THIS MODE IS SET BY THE USER WITH A STATEMENT "ANALYSIS=T".

INPUT DATA FOR THIS RUN:

USES HRLDXY FILE AS DATA SOURCE
RATES=1979 UROAD AND CUTS RATES

OUTPUT DATA SETS FOR THIS RUN:

PRINTOUT ONLY

DATE AND TIME OF THIS RUN:

27OCT01 (DDMMMYY) 00:24:07 (HH.MM.SS)

TYPE OF RUN:

ANALYSIS

```
 ***    ****   ****  *   *  *   *  ****   *****  *****   ***   *  *   ****
*   *  *      *      *   *  ** **  *   *    *      *    *   *  **  *  *
*****   ***    ***   *   *  * * *  ****     *      *    *   *  ** *   ***
*   *      *      *  *   *  *   *  *        *      *    *   *  * **      *
*   *  ****   ****    ***   *   *  *        *    *****   ***   *  *  ****
```

FACILITY AND AREA TYPES AS DEFINED IN THE HNET MODULE:

FACILITY TYPE 1 - FREEWAYS
FACILITY TYPE 2 - EXPRESSWAYS AND DIVIDED ARTERIALS
FACILITY TYPE 3 - UNDIVIDED ARTERIALS
FACILITY TYPE 4 - COLLECTORS
FACILITY TYPE 5 - LOCALS (CENTROID CONNECTORS) - NOT INCLUDED
FACILITY TYPE 6 - ONE WAYS
FACILITY TYPE 8 - HOV LINKS
FACILITY TYPE 9 - TOLL RAMPS

AREA TYPE 1 - CBD
AREA TYPE 2 - FRINGE
AREA TYPE 3 - RESIDENTIAL
AREA TYPE 4 - OBD
AREA TYPE 5 - RURAL

LANE VALUES REPORTED ARE TRUE LANE VALUES.

THE FOLLOWING RATES ARE USED IN THE VARIOUS CALCULATIONS:

ACCIDENT RATES:	FREEWAYS	-	1.060 PER MILLION VEHICLE MILES
	ARTERIALS	-	5.830 PER MILLION VEHICLE MILES
	LOCALS	-	8.630 PER MILLION VEHICLE MILES
INJURY RATES :	FREEWAYS	-	0.730 PER MILLION VEHICLE MILES
	ARTERIALS	-	3.850 PER MILLION VEHICLE MILES
	LOCALS	-	3.490 PER MILLION VEHICLE MILES
FATALITY RATES:	FREEWAYS	-	0.009 PER MILLION VEHICLE MILES
	ARTERIALS	-	0.019 PER MILLION VEHICLE MILES
	LOCALS	-	0.018 PER MILLION VEHICLE MILES

```
  ***    ****   ****  *   *  *   *  ****   *****  *****   ***   *  *   ****
 *   *  *      *      *   *  ** **  *   *    *      *    *   *  **  *  *
 *****   ***    ***   *   *  * * *  ****     *      *    *   *  ** *   ***
 *   *      *      *  *   *  *   *  *        *      *    *   *  * **      *
 *   *  ****   ****    ***   *   *  *        *    *****   ***   *  *  ****
```

CARBON MONOXIDE EMISSIONS (GRAMS PER VEHICLE MILE)

SPEED	FT 1	FT 2	FT 3	FT 4	FT 5	FT 6	FT 7	FT 8	FT 9
LT 20	37.73	37.73	37.73	37.73	37.73	37.73	37.73	37.73	37.73
20 - 25	27.77	27.77	27.77	27.77	27.77	27.77	27.77	27.77	27.77
25 - 30	21.82	21.82	21.82	21.82	21.82	21.82	21.82	21.82	21.82
30 - 35	17.72	17.72	17.72	17.72	17.72	17.72	17.72	17.72	17.72
35 - 40	14.74	14.74	14.74	14.74	14.74	14.74	14.74	14.74	14.74
40 - 45	12.49	12.49	12.49	12.49	12.49	12.49	12.49	12.49	12.49
45 - 50	10.76	10.76	10.76	10.76	10.76	10.76	10.76	10.76	10.76
50 - 55	10.64	10.64	10.64	10.64	10.64	10.64	10.64	10.64	10.64
55 - 60	12.84	12.84	12.84	12.84	12.84	12.84	12.84	12.84	12.84
GE 60	17.23	17.23	17.23	17.23	17.23	17.23	17.23	17.23	17.23

HYDROCARBON EMISSIONS (GRAMS PER VEHICLE MILES)

SPEED	FT 1	FT 2	FT 3	FT 4	FT 5	FT 6	FT 7	FT 8	FT 9
LT 20	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
20 - 25	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73
25 - 30	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47
30 - 35	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29
35 - 40	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16

```
    ³ 40 - 45  ³   1.05     1.05     1.05     1.05     1.05     1.05     1.05
1.05     1.05 ³
    ³ 45 - 50  ³   0.97     0.97     0.97     0.97     0.97     0.97     0.97
0.97     0.97 ³
    ³ 50 - 55  ³   0.95     0.95     0.95     0.95     0.95     0.95     0.95
0.95     0.95 ³
    ³ 55 - 60  ³   0.98     0.98     0.98     0.98     0.98     0.98     0.98
0.98     0.98 ³
    ³  GE 60   ³   1.07     1.07     1.07     1.07     1.07     1.07     1.07
1.07     1.07 ³
    +----------+--------+--------+--------+--------+--------+--------+--------+-
-------+--------+
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OXIDES OF NITROGEN EMISSIONS (GRAMS PER VEHICLE MILE)

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    +----------+--------+--------+--------+--------+--------+--------+--------+-
-------+--------+
    ³  SPEED   ³  FT 1  ³  FT 2  ³  FT 3  ³  FT 4  ³  FT 5  ³ FT 6  ³  FT 7  ³
FT 8  ³  FT 9  ³
    +----------+--------+--------+--------+--------+--------+--------+--------+-
-------+--------+
    ³          ³
³
    ³  LT 20   ³   1.99     1.99     1.99     1.99     1.99     1.99     1.99
1.99     1.99 ³
    ³ 20 - 25  ³   1.89     1.89     1.89     1.89     1.89     1.89     1.89
1.89     1.89 ³
    ³ 25 - 30  ³   1.88     1.88     1.88     1.88     1.88     1.88     1.88
1.88     1.88 ³
    ³ 30 - 35  ³   1.89     1.89     1.89     1.89     1.89     1.89     1.89
1.89     1.89 ³
    ³ 35 - 40  ³   1.91     1.91     1.91     1.91     1.91     1.91     1.91
1.91     1.91 ³
    ³ 40 - 45  ³   1.94     1.94     1.94     1.94     1.94     1.94     1.94
1.94     1.94 ³
    ³ 45 - 50  ³   1.99     1.99     1.99     1.99     1.99     1.99     1.99
1.99     1.99 ³
    ³ 50 - 55  ³   2.25     2.25     2.25     2.25     2.25     2.25     2.25
2.25     2.25 ³
    ³ 55 - 60  ³   2.56     2.56     2.56     2.56     2.56     2.56     2.56
2.56     2.56 ³
    ³  GE 60   ³   2.92     2.92     2.92     2.92     2.92     2.92     2.92
2.92     2.92 ³
    +----------+--------+--------+--------+--------+--------+--------+--------+-
-------+--------+
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  ***    ****   ****  *   *  *   *  ****   *****  *****   ***   *  *   ****
 *   *  *      *      *   *  ** **  *   *    *      *    *   *  **  *  *
 *****   ***    ***   *   *  * * *  ****     *      *    *   *  ** *   ***
 *   *      *      *  *   *  *   *  *        *      *    *   *  * **      *
 *   *  ****   ****    ***   *   *  *        *    *****   ***   *  *  ****
```

FUEL USE (GALLONS PER MILE)

SPEED	FT 1	FT 2	FT 3	FT 4	FT 5	FT 6	FT 7	FT 8	FT 9
LT 20	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
20 - 25	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
25 - 30	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
30 - 35	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
35 - 40	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
40 - 45	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
45 - 50	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
50 - 55	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
55 - 60	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
60 - 65	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
GE 65	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06

EVAL USES CONSTRUCTION CODES TO CALCULATE NEW AND IMPROVED
LANE MILES AND CONSTRUCTION COSTS. THE CODE DEFINITIONS ARE:

CODE
1 - ADD 2 LANES, FT REMAINS SAME (ONE WAY - ADD 1 LANE)
2 - ADD 4 LANES, FT REMAINS SAME (ONE WAY - ADD 2 LANES)
3 - ADD 6 LANES, FT REMAINS SAME (ONE WAY - ADD 3 LANES)
4 - ADD 2 LANES, UPGRADE FT BY 1
5 - ADD 2 LANES, UPGRADE FT BY 2
6 - ADD 4 LANES, UPGRADE FT BY 1
7 - NEW CONSTRUCTION - 2 LANES (ONE WAY - 1 LANE)
8 - NEW CONSTRUCTION - 4 LANES (ONE WAY - 2 LANES)
9 - NEW CONSTRUCTION - 6 LANES (ONE WAY - 3 LANES)
0 - NO NEW CONSTRUCTION

CONSTRUCTION COST : THOUSAND DOLLARS PER MILE

CODE	FT 1	FT 2	FT 3	FT 4	FT 5	FT 6	FT 7	FT 8	FT 9
1	1901.00	1478.00	1267.00	1267.00	0.00	1267.00	1267.00	1901.00	1901.00
2	2628.00	2464.00	2217.00	2217.00	0.00	2217.00	2217.00	2628.00	2628.00
3	2713.00	2851.00	2534.00	2534.00	0.00	2534.00	2534.00	2713.00	2713.00
4	0.00	1478.00	1267.00	1267.00	0.00	1267.00	1267.00	0.00	0.00
5	0.00	0.00	1267.00	1267.00	0.00	1267.00	1267.00	0.00	0.00
6	0.00	2464.00	2217.00	2217.00	0.00	2217.00	2217.00	0.00	0.00
7	0.00	1267.00	1267.00	1267.00	0.00	1267.00	1267.00	0.00	0.00
8	2059.00	2112.00	1760.00	1760.00	0.00	1760.00	1760.00	2059.00	2059.00
9	2628.00	2464.00	2218.00	2218.00	0.00	2218.00	2218.00	2628.00	2628.00

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- REPORT: TOTAL SYSTEM MILES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	6.14	1.68	92.32	66.38	2.63	169.15
D. ART	5.75	0.47	270.31	208.29	18.43	503.25
U. ART	6.63	0.20	160.88	58.16	64.75	290.62
COLLCTR	7.23	0.85	347.35	81.59	123.82	560.84
1 WAY	21.04	1.18	23.39	33.20	0.00	78.81
RAMP	6.33	1.96	54.01	42.51	1.78	106.59
HOV	0.00	0.00	53.01	3.30	0.00	56.31
TOLL	0.00	0.00	135.06	4.37	26.48	165.91
Totals	53.12	6.34	1136.33	497.80	237.89	1931.48

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- REPORT: TOTAL LANE MILES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	22.26	5.63	334.15	235.97	11.60	609.61
D. ART	26.05	2.32	1227.31	1036.66	80.40	2372.74
U. ART	22.76	0.40	417.34	187.88	141.40	769.78
COLLCTR	16.75	1.70	870.62	233.52	266.66	1389.25
1 WAY	48.41	2.55	58.17	83.19	0.00	192.32
RAMP	8.23	2.79	74.45	61.14	3.02	149.63
HOV	0.00	0.00	53.01	3.30	0.00	56.31
TOLL	0.00	0.00	335.23	10.14	74.70	420.07
Totals	144.46	15.39	3370.28	1851.80	577.78	5959.71

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- REPORT: TOTAL DIRECTIONAL SYSTEM MILES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	6.14	1.68	97.44	67.22	3.20	175.68
D. ART	11.50	0.94	540.62	416.58	36.86	1006.50
U. ART	13.22	0.40	321.76	116.32	129.50	581.20
COLLCTR	14.46	1.70	694.70	163.18	247.64	1121.68
1 WAY	21.04	1.18	23.39	33.20	0.00	78.81
RAMP	6.33	1.96	55.71	42.77	1.78	108.55
HOV	0.00	0.00	53.01	3.30	0.00	56.31
TOLL	0.00	0.00	135.47	4.37	26.48	166.32
Totals	72.69	7.86	1922.10	846.94	445.46	3295.05

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- REPORT: AVERAGE LINK LENGTH USING SYSTEM MILES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.17	0.14	0.34	0.34	0.29	0.32
D. ART	0.12	0.09	0.26	0.20	0.43	0.23
U. ART	0.09	0.10	0.27	0.20	0.67	0.28
COLLCTR	0.09	0.08	0.26	0.22	0.50	0.27
1 WAY	0.07	0.07	0.21	0.22	0.00	0.14
RAMP	0.09	0.10	0.11	0.10	0.16	0.10
HOV	0.00	0.00	0.18	0.16	0.00	0.18
TOLL	0.00	0.00	0.25	0.15	0.49	0.27
Totals	0.09	0.10	0.24	0.20	0.52	0.23

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- REPORT: TOTAL VMT USING VOLUMES ON LINKS WITH CAPACITIES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	390870	90071	6389365	4864667	281917	12016889
D. ART	205288	9125	10428638	9274424	590024	20507500
U. ART	149294	2460	3245434	1563361	654217	5614766
COLLCTR	68275	11055	4280327	1356512	777755	6493924
1 WAY	254091	7998	351894	496121	0	1110104
RAMP	74087	30830	794609	740013	32910	1672449
HOV	0	0	624353	26509	0	650861
TOLL	0	0	4479916	152195	718943	5351054
Totals	1141905	151539	30594536	18473802	3055765	53417548

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- REPORT: TOTAL VMT USING CAPACITY

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	429973	108776	6230277	4422203	209313	11400542
D. ART	214567	20539	10779141	8875247	1114455	21003948
U. ART	169522	2574	3058856	1430764	1733993	6395709
COLLCTR	97266	9794	5183548	1441681	1690085	8422373
1 WAY	388613	20472	537123	643642	0	1589850
RAMP	128668	42463	1124039	932906	37225	2265300
HOV	0	0	1024302	67313	0	1091615
TOLL	0	0	6194453	184717	1346631	7725801
Totals	1428609	204618	34131740	17998470	6131702	59895140

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- REPORT: RATIO OF VOLUME OVER CAPACITY
VMT

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.91	0.83	1.03	1.10	1.35	1.05
D. ART	0.96	0.44	0.97	1.04	0.53	0.98
U. ART	0.88	0.96	1.06	1.09	0.38	0.88
COLLCTR	0.70	1.13	0.83	0.94	0.46	0.77
1 WAY	0.65	0.39	0.66	0.77	0.00	0.70
RAMP	0.58	0.73	0.71	0.79	0.88	0.74
HOV	0.00	0.00	0.61	0.39	0.00	0.60
TOLL	0.00	0.00	0.72	0.82	0.53	0.69
Totals	0.80	0.74	0.90	1.03	0.50	0.89

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- REPORT: TOTAL VHT USING VOLUMES ON LINKS WITH CAPACITIES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	11563	2723	1023555	182063	20736	1240640
D. ART	17205	391	545996	577799	14395	1155786
U. ART	11300	108	173564	96189	17934	299095
COLLCTR	4714	842	223999	75140	24052	328748
1 WAY	19172	444	19395	30753	0	69763
RAMP	6465	2050	74488	50652	1366	135022
HOV	0	0	18084	798	0	18882
TOLL	0	0	176820	6814	19277	202911
Totals	70420	6557	2255901	1020208	97760	3450846

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- REPORT: TOTAL VHT USING CAPACITIES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	12455	3101	513664	153689	13731	696639
D. ART	15974	731	499565	490070	24190	1030530
U. ART	10642	113	144912	73676	42485	271828
COLLCTR	6008	667	232066	68215	43749	350705
1 WAY	26743	925	24896	36462	0	89026
RAMP	10275	2414	69247	53322	1321	136578
HOV	0	0	26225	1632	0	27857
TOLL	0	0	258332	6835	35336	300503
Totals	82097	7950	1768906	883901	160812	2903666

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- REPORT: RATIO OF VOLUME OVER CAPACITY VHT

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.93	0.88	1.99	1.18	1.51	1.78
D. ART	1.08	0.53	1.09	1.18	0.60	1.12
U. ART	1.06	0.96	1.20	1.31	0.42	1.10
COLLCTR	0.78	1.26	0.97	1.10	0.55	0.94
1 WAY	0.72	0.48	0.78	0.84	0.00	0.78
RAMP	0.63	0.85	1.08	0.95	1.03	0.99
HOV	0.00	0.00	0.69	0.49	0.00	0.68
TOLL	0.00	0.00	0.68	1.00	0.55	0.68
Totals	0.86	0.82	1.28	1.15	0.61	1.19

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- REPORT: TOTAL VOLUME ON ALL LINKS WITH CAPACITIES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	2273229	657650	18422794	14853663	780443	36987776
D. ART	1845938	106882	40774208	47566128	1460657	91753816
U. ART	1612760	24472	12605377	8479476	1159391	23881476
COLLCTR	823503	135732	17367544	6413308	1907593	26647682
1 WAY	3643444	115043	1629937	2527620	0	7916042
RAMP	784984	312497	6587068	6782452	193182	14660184
HOV	0	0	2638234	123683	0	2761917
TOLL	0	0	13862770	511833	1090923	15465525
Totals	10983857	1352276	113887928	87258160	6592189	220074416

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- REPORT: TOTAL CAPACITIES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	2606966	772782	18367106	13211336	611695	35569888
D. ART	1951344	211696	41189920	43862816	2556124	89771896
U. ART	1774534	25740	11431791	7604101	2784010	23620176
COLLCTR	1114030	126742	20504224	6791424	3611944	32148364
1 WAY	5571723	283316	2466550	2905551	0	11227140
RAMP	1387944	392122	9233725	8841637	209542	20064970
HOV	0	0	5574723	420000	0	5994723
TOLL	0	0	19270504	675363	2046584	21992450
Totals	14406541	1812398	128038544	84312224	11819899	240389616

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- REPORT: RATIO OF VOLUME OVER CAPACITY

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.87	0.85	1.00	1.12	1.28	1.04
D. ART	0.95	0.50	0.99	1.08	0.57	1.02
U. ART	0.91	0.95	1.10	1.12	0.42	1.01
COLLCTR	0.74	1.07	0.85	0.94	0.53	0.83
1 WAY	0.65	0.41	0.66	0.87	0.00	0.71
RAMP	0.57	0.80	0.71	0.77	0.92	0.73
HOV	0.00	0.00	0.47	0.29	0.00	0.46
TOLL	0.00	0.00	0.72	0.76	0.53	0.70
Totals	0.76	0.75	0.89	1.03	0.56	0.92

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- REPORT: TOTAL VOLUME ON ALL LINKS

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	2273229	657650	18422794	14853663	780443	36987776
D. ART	1845938	106882	40774208	47566128	1460657	91753816
U. ART	1612760	24472	12605377	8479476	1159391	23881476
COLLCTR	823503	135732	17367544	6413308	1907593	26647682
1 WAY	3643444	115043	1629937	2527620	0	7916042
RAMP	784984	312497	6587068	6782452	193182	14660184
HOV	0	0	2638234	123683	0	2761917
TOLL	0	0	13862770	511833	1090923	15465525
Totals	10983857	1352276	113887928	87258160	6592189	220074416

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- REPORT: VOLUME PERCENTAGES ON ALL LINKS

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	1.03	0.30	8.37	6.75	0.35	16.81
D. ART	0.84	0.05	18.53	21.61	0.66	41.69
U. ART	0.73	0.01	5.73	3.85	0.53	10.85
COLLCTR	0.37	0.06	7.89	2.91	0.87	12.11
1 WAY	1.66	0.05	0.74	1.15	0.00	3.60
RAMP	0.36	0.14	2.99	3.08	0.09	6.66
HOV	0.00	0.00	1.20	0.06	0.00	1.25
TOLL	0.00	0.00	6.30	0.23	0.50	7.03
Totals	4.99	0.61	51.75	39.65	3.00	100.00

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- REPORT: AVERAGE TOTAL VOLUMES ON ALL LINKS

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	63145	54804	67236	75399	86716	70053
D. ART	36919	21376	39056	46406	33969	42341
U. ART	22715	12236	21401	28647	11952	22636
COLLCTR	9922	12339	13019	16922	7754	12980
1 WAY	12478	7190	14954	16851	0	13961
RAMP	11544	15625	13926	15173	17562	14387
HOV	0	0	9035	5890	0	8824
TOLL	0	0	26009	17649	20202	25106
Totals	18306	20489	24503	34300	14331	26458

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- REPORT: ORIGINAL SPEEDS (MPH)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	38.30	39.37	44.77	45.25	56.64	44.80
D. ART	22.85	31.69	34.56	32.77	49.81	33.97
U. ART	21.32	26.09	28.82	28.53	43.66	30.84
COLLCTR	18.85	21.70	27.60	28.73	42.47	29.89
1 WAY	19.59	25.56	29.71	26.27	0.00	24.85
RAMP	14.98	20.70	24.82	25.75	36.20	24.28
HOV	0.00	0.00	54.77	50.13	0.00	54.48
TOLL	0.00	0.00	46.06	46.25	55.72	47.39
Totals	20.49	25.62	31.44	31.32	44.02	32.25

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- REPORT: CONGESTED SPEEDS (MPH)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	34.79	33.05	11.21	28.76	16.41	15.34
D. ART	13.56	26.86	21.28	17.94	43.08	19.98
U. ART	15.09	22.86	20.06	18.27	40.45	21.93
COLLCTR	16.38	14.68	21.32	20.36	38.80	23.38
1 WAY	14.65	19.72	19.92	17.81	0.00	17.38
RAMP	12.27	15.06	14.84	15.45	24.00	14.99
HOV	0.00	0.00	38.70	40.41	0.00	38.79
TOLL	0.00	0.00	20.36	20.13	35.24	21.84
Totals	15.35	19.21	20.09	18.87	38.87	20.97

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- REPORT: PERCENT CHANGE IN SPEED

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	-9.16	-16.07	-74.97	-36.44	-71.03	-65.77
D. ART	-40.67	-15.24	-38.44	-45.26	-13.52	-41.18
U. ART	-29.25	-12.38	-30.41	-35.96	-7.36	-28.91
COLLCTR	-13.10	-32.37	-22.76	-29.11	-8.64	-21.78
1 WAY	-25.24	-22.84	-32.96	-32.21	0.00	-30.07
RAMP	-18.12	-27.27	-40.20	-40.02	-33.71	-38.26
HOV	0.00	0.00	-29.35	-19.39	0.00	-28.79
TOLL	0.00	0.00	-55.80	-56.48	-36.76	-53.91
Totals	-25.11	-25.01	-36.10	-39.74	-11.69	-35.00

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- REPORT: TOTAL VMT USING LINK VOLUMES (FSUTMS.V54+)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	390870	90071	6389365	4864667	281917	12016889
D. ART	205288	9125	10428638	9274424	590024	20507500
U. ART	149294	2460	3245434	1563361	654217	5614766
COLLCTR	68275	11055	4280327	1356512	777755	6493924
1 WAY	254091	7998	351894	496121	0	1110104
RAMP	74087	30830	794609	740013	32910	1672449
HOV	0	0	624353	26509	0	650861
TOLL	0	0	4357983	152138	707704	5217824
Totals	1141905	151539	30472602	18473744	3044526	53284316

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- REPORT: TOTAL VHT (FREE-FLOW TIME)
USING LINK VOLUMES (FSUTMS.V54+)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	10204	2289	142016	105721	4971	265201
D. ART	9003	299	302729	281890	11748	605668
U. ART	6987	94	111807	54242	15150	188280
COLLCTR	3597	510	150854	46797	18326	220084
1 WAY	13024	306	11951	18410	0	43690
RAMP	4823	1462	30195	26643	903	64026
HOV	0	0	11396	538	0	11934
TOLL	0	0	92637	2888	12282	107807
Totals	47638	4959	853584	537130	63380	1506690

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- REPORT: TOTAL VHT (CONGESTED TIME)
USING LINK VOLUMES (FSUTMS.V54+)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	11563	2723	1023555	182063	20736	1240640
D. ART	17205	391	545996	577799	14395	1155786
U. ART	11300	108	173564	96189	17934	299095
COLLCTR	4714	842	223999	75140	24052	328748
1 WAY	19172	444	19395	30753	0	69763
RAMP	6465	2050	74488	50652	1366	135022
HOV	0	0	18084	798	0	18882
TOLL	0	0	176820	6814	19277	202911
Totals	70420	6557	2255901	1020208	97760	3450846

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- REPORT: SPEEDS (FREE-FLOW TIME) USING LINK VOLUMES (FSUTMS.V54+)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	38.30	39.35	44.99	46.01	56.72	45.31
D. ART	22.80	30.56	34.45	32.90	50.22	33.86
U. ART	21.37	26.08	29.03	28.82	43.18	29.82
COLLCTR	18.98	21.66	28.37	28.99	42.44	29.51
1 WAY	19.51	26.15	29.45	26.95	0.00	25.41
RAMP	15.36	21.09	26.32	27.77	36.44	26.12
HOV	0.00	0.00	54.79	49.27	0.00	54.54
TOLL	0.00	0.00	47.04	52.67	57.62	48.40
Totals	23.97	30.56	35.70	34.39	48.04	35.37

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- REPORT: SPEEDS (CONGESTED TIME) USING LINK VOLUMES (FSUTMS.V54+)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	33.80	33.08	6.24	26.72	13.60	9.69
D. ART	11.93	23.37	19.10	16.05	40.99	17.74
U. ART	13.21	22.75	18.70	16.25	36.48	18.77
COLLCTR	14.48	13.13	19.11	18.05	32.34	19.75
1 WAY	13.25	18.03	18.14	16.13	0.00	15.91
RAMP	11.46	15.04	10.67	14.61	24.09	12.39
HOV	0.00	0.00	34.52	33.22	0.00	34.47
TOLL	0.00	0.00	24.65	22.33	36.71	25.71
Totals	16.22	23.11	13.51	18.11	31.14	15.44

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- REPORT: PERCENT CHANGE IN SPEED USING LINK VOLUMES (FSUTMS.V54+)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	-11.75	-15.95	-86.13	-41.93	-76.03	-78.62
D. ART	-47.67	-23.55	-44.55	-51.21	-18.39	-47.60
U. ART	-38.17	-12.80	-35.58	-43.61	-15.52	-37.05
COLLCTR	-23.71	-39.39	-32.65	-37.72	-23.81	-33.05
1 WAY	-32.07	-31.05	-38.38	-40.14	0.00	-37.37
RAMP	-25.40	-28.70	-59.46	-47.40	-33.89	-52.58
HOV	0.00	0.00	-36.98	-32.58	0.00	-36.80
TOLL	0.00	0.00	-47.61	-57.61	-36.29	-46.87
Totals	-32.35	-24.37	-62.16	-47.35	-35.17	-56.34

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- REPORT: TOTAL ACCIDENT OCCURENCES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.41	0.10	6.77	5.16	0.30	12.74
D. ART	1.20	0.05	60.80	54.07	3.44	119.56
U. ART	0.86	0.01	18.63	8.97	3.76	32.23
COLLCTR	0.36	0.06	22.64	7.18	4.11	34.35
1 WAY	1.46	0.05	2.02	2.85	0.00	6.37
RAMP	0.43	0.18	4.56	4.25	0.19	9.60
HOV	0.00	0.00	0.66	0.03	0.00	0.69
TOLL	0.00	0.00	4.75	0.16	0.76	5.67
Totals	4.71	0.44	120.83	82.66	12.56	221.21

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- REPORT: TOTAL INJURY OCCURENCES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.29	0.07	4.66	3.55	0.21	8.77
D. ART	0.79	0.04	40.15	35.71	2.27	78.95
U. ART	0.53	0.01	11.42	5.50	2.30	19.76
COLLCTR	0.21	0.03	13.35	4.23	2.43	20.26
1 WAY	0.89	0.03	1.24	1.75	0.00	3.91
RAMP	0.26	0.11	2.80	2.60	0.12	5.89
HOV	0.00	0.00	0.46	0.02	0.00	0.48
TOLL	0.00	0.00	3.27	0.11	0.52	3.91
Totals	2.97	0.28	77.35	53.47	7.85	141.93

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- REPORT: TOTAL FATALITY OCCURENCES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.00	0.00	0.06	0.04	0.00	0.11
D. ART	0.00	0.00	0.20	0.18	0.01	0.39
U. ART	0.00	0.00	0.06	0.03	0.01	0.11
COLLCTR	0.00	0.00	0.07	0.02	0.01	0.11
1 WAY	0.00	0.00	0.01	0.01	0.00	0.02
RAMP	0.00	0.00	0.02	0.01	0.00	0.03
HOV	0.00	0.00	0.01	0.00	0.00	0.01
TOLL	0.00	0.00	0.04	0.00	0.01	0.05
Totals	0.02	0.00	0.46	0.30	0.05	0.82

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- REPORT: TOTAL EMISSIONS OF CARBON MONOXIDE (KILOGRAMS)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	6611	1608	125978	104067	8759	247023
D. ART	7293	245	296975	291656	7830	603999
U. ART	5333	68	97384	48361	9896	161044
COLLCTR	2575	405	123272	40238	12251	178740
1 WAY	9125	233	9585	16773	0	35717
RAMP	2728	1020	24944	22246	706	51645
HOV	0	0	10613	462	0	11075
TOLL	0	0	63855	2683	9696	76234
Totals	33665	3581	752606	526486	49138	1365476

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- REPORT: TOTAL EMISSIONS OF HYDROCARBONS (KILOGRAMS)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	490	118	8904	7130	552	17194
D. ART	446	16	18869	18206	637	38173
U. ART	326	4	6116	3016	767	10229
COLLCTR	157	25	7795	2532	935	11444
1 WAY	559	15	620	1033	0	2227
RAMP	167	63	1562	1403	49	3243
HOV	0	0	781	33	0	815
TOLL	0	0	5047	193	728	5969
Totals	2145	241	49693	33546	3668	89293

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- REPORT: TOTAL EMISSIONS OF OXIDES OF NITROGEN (KILOGRAMS)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	743	173	12307	9327	551	23101
D. ART	404	17	20064	18013	1246	39745
U. ART	294	5	6263	3023	1256	10840
COLLCTR	136	22	8223	2614	1493	12489
1 WAY	502	15	681	970	0	2168
RAMP	147	60	1546	1433	64	3249
HOV	0	0	1280	54	0	1334
TOLL	0	0	9076	332	1825	11233
Totals	2225	293	59440	35767	6435	104160

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- REPORT: TOTAL FUEL USE (GALS)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	24461	5637	399847	304431	17642	752017
D. ART	12847	571	652625	580394	36924	1283360
U. ART	9343	154	203099	97835	40941	351372
COLLCTR	4273	692	267863	84891	48672	406390
1 WAY	15901	501	22022	31047	0	69470
RAMP	4636	1929	49727	46310	2060	104662
HOV	0	0	39072	1659	0	40731
TOLL	0	0	280353	9524	44991	334869
Totals	71460	9483	1914607	1156091	191230	3342871

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- REPORT: TOTAL NEW LANE MILEAGE

	CBD	FRINGE	RESID.	OBD	RURAL	Total
Totals	0	0	0	0	0	0

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- REPORT: TOTAL CONSTRUCTION COST (X $1000)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
Totals	0	0	0	0	0	0

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- REPORT: TOTAL DELAY DUE TO CONGESTION (VEH-HRS)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	1358.98	434.26	881538.94	76341.48	15764.99	975438.62
D. ART	8202.38	91.97	243266.66	295909.12	2647.49	550117.62
U. ART	4312.99	13.84	61757.14	41946.78	2783.75	110814.51
COLLCTR	1117.69	331.75	73145.78	28342.89	5725.76	108663.88
1 WAY	6147.70	137.77	7444.04	12343.11	0.00	26072.62
RAMP	1642.16	588.22	44293.29	24008.96	463.03	70995.66
HOV	0.00	0.00	6688.00	259.98	0.00	6947.98
TOLL	0.00	0.00	84182.85	3926.07	6994.81	95103.74
Totals	22781.90	1597.81	*********	483078.38	34379.83	*********

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HIGHWAY EVALUATION -- YEAR/ALT (a20) : MILES OF ROADWAY AT EACH LEVEL OF SERVICE

	LEVEL OF SERVICE						
	A	B	C	D	E	F	TOTAL
FREEWAY	35.87	17.53	23.47	34.19	26.47	31.62	169.15
D. ART	108.03	91.69	103.84	76.38	60.76	62.53	503.25
U. ART	109.62	26.97	33.45	31.96	19.90	68.70	290.62
COLLCTR	300.97	51.80	52.30	45.48	34.43	75.86	560.84
1 WAY	49.86	12.40	8.58	2.43	2.87	2.67	78.81
RAMP	59.79	12.11	8.42	8.80	5.44	12.04	106.59
HOV	41.31	11.70	3.30	0.00	0.00	0.00	56.31
TOLL	108.81	12.84	22.51	15.13	2.38	4.24	165.91
Total	814.27	237.04	255.88	214.37	152.25	257.66	1931.48

HIGHWAY EVALUATION -- YEAR/ALT (a20) : PERCENT OF MILEAGE AT EACH LEVEL OF SERVICE

	LEVEL OF SERVICE						
	A	B	C	D	E	F	TOTAL
FREEWAY	1.86	0.91	1.22	1.77	1.37	1.64	8.76
D. ART	5.59	4.75	5.38	3.95	3.15	3.24	26.06
U. ART	5.68	1.40	1.73	1.65	1.03	3.56	15.05
COLLCTR	15.58	2.68	2.71	2.35	1.78	3.93	29.04
1 WAY	2.58	0.64	0.44	0.13	0.15	0.14	4.08
RAMP	3.10	0.63	0.44	0.46	0.28	0.62	5.52
HOV	2.14	0.61	0.17	0.00	0.00	0.00	2.92
TOLL	5.63	0.66	1.17	0.78	0.12	0.22	8.59
Total	42.16	12.27	13.25	11.10	7.88	13.34	100.00

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
1	2161	2516	33932.	36218.	0.94	23	31
1	2429	2431	14452.	54359.	0.27	92	51
1	2504	8497	18149.	12870.	1.41	37	31
1	2506	2507	34235.	34348.	1.00	24	31
1	2509	2510	66360.	51978.	1.28	24	31
1	2520	8494	54330.	51978.	1.05	24	31
1	2521	8494	57991.	51978.	1.12	24	31
1	2523	2524	11888.	11522.	1.03	45	31
1	2525	2526	20402.	24914.	0.82	44	31
1	2529	2580	9536.	11522.	0.83	45	31
1	2531	7437	13774.	9218.	1.49	47	31
1	2533	2592	19953.	13740.	1.45	36	31
1	2536	7793	56384.	51978.	1.08	24	42
1	2541	8775	116477.	72478.	1.61	12	51
1	2547	2712	20930.	18044.	1.16	23	31
1	2603	2604	30903.	63392.	0.49	21	51
1	2612	8780	15122.	54359.	0.28	92	51
1	2685	3316	65293.	54326.	1.20	23	31
1	3317	8497	18183.	12870.	1.41	37	31
1	3856	4985	144264.	55989.	2.58	12	31
1	4258	2541	116474.	72478.	1.61	12	51
1	4970	4975	0.	18750.	0.00	88	31
1	4995	3858	144264.	55989.	2.58	12	31
1	4998	5001	0.	18750.	0.00	87	31
1	5175	7750	41372.	55989.	0.74	92	31
1	5195	6887	44662.	55989.	0.80	92	31
1	8775	2430	116477.	72478.	1.61	12	51
1	8780	2500	15122.	54359.	0.28	92	51
1	TOTALS		1300929.	1152863.	1.13	SCREEN LINE	1

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
2	2170	6508	32816.	34348.	0.96	24	31
2	2427	2426	32925.	54359.	0.61	92	51
2	2458	9679	53970.	55989.	0.96	12	31
2	2491	5979	2739.	9218.	0.30	47	31
2	2859	2717	36911.	54359.	0.68	92	51
2	2971	4481	61479.	48260.	1.27	24	51
2	3175	3658	15317.	11522.	1.33	45	31
2	3574	7266	8849.	12108.	0.73	44	31
2	3781	5727	8426.	12870.	0.65	37	31
2	3788	5881	11267.	11522.	0.98	45	31
2	4053	4054	49078.	55989.	0.88	12	31
2	4056	4052	28014.	55989.	0.50	12	31
2	4250	7275	11260.	36218.	0.31	23	44
2	4273	4275	51748.	51978.	1.00	24	41
2	4620	7269	38618.	51978.	0.74	24	31
2	4754	7810	13269.	24914.	0.53	44	41
2	5082	5084	50577.	50544.	1.00	25	31
2	5083	7316	25413.	12108.	2.10	44	31
2	5349	5352	41644.	51978.	0.80	24	31
2	5582	7327	40710.	51978.	0.78	24	31
2	5726	5728	38894.	50544.	0.77	25	42
2	5879	5883	37028.	34348.	1.08	24	31
2	5976	5981	41485.	34348.	1.21	24	42
2	6074	6076	53966.	51978.	1.04	24	31
2	6153	6156	62450.	51978.	1.20	24	31
2	6199	7345	18318.	11522.	1.59	45	31
2	6251	8516	57305.	74478.	0.77	92	31
2	6252	7974	16347.	9218.	1.77	46	41
2	6253	6254	6107.	9218.	0.66	46	31
2	6307	6308	32496.	34348.	0.95	24	31
2	6337	6342	18009.	16086.	1.12	33	31
2	6384	6387	32898.	34348.	0.96	24	41
2	6452	6458	14496.	34348.	0.42	24	41
2	6456	7512	20356.	12870.	1.58	37	31
2	6556	6558	7422.	12500.	0.59	43	51
2	6607	6608	4990.	25000.	0.20	43	51
2	7808	7890	21820.	24914.	0.88	44	41
2	8516	9753	68233.	74478.	0.92	92	31
2	8517	9754	75054.	74478.	1.01	12	31
2	8619	8622	28704.	47120.	0.61	75	31
2	8620	8623	2724.	8239.	0.33	72	31
2	8622	8621	28704.	31413.	0.91	75	31
2	8623	8624	2724.	8239.	0.33	72	31
2	8624	8625	2724.	8239.	0.33	72	31

2	8625	8628	2724.	8239.	0.33	72	31
2	8626	8627	25497.	31413.	0.81	71	31
2	8627	8630	25497.	31413.	0.81	71	31
2	9678	2456	50286.	55989.	0.90	92	31
2	9679	8517	53970.	74478.	0.72	12	31
2	9753	9678	50286.	74478.	0.68	92	31
2	9754	8194	64330.	74478.	0.86	12	31
2	TOTALS		1580876.	1872969.	0.84	SCREEN LINE	2

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SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
3	2134	2139	20866.	22761.	0.92	64	43
3	2138	2133	21319.	22761.	0.94	64	43
3	2405	4249	25577.	54359.	0.47	92	51
3	2715	3138	32089.	34348.	0.93	24	31
3	2715	3139	12186.	34348.	0.35	24	44
3	2970	6069	22563.	34348.	0.66	24	31
3	2972	4277	18749.	12500.	1.50	43	51
3	2973	7381	16052.	32956.	0.49	41	31
3	2976	8381	7360.	9218.	0.80	46	31
3	2984	7825	25624.	25782.	0.99	37	31
3	2991	2992	11129.	16892.	0.66	24	31
3	2994	2997	31813.	34348.	0.93	24	31
3	3000	3651	17973.	18044.	1.00	23	31
3	3007	7593	55829.	51978.	1.07	24	41
3	3099	7825	28028.	25782.	1.09	37	31
3	3137	3138	43748.	51978.	0.84	24	41
3	3142	3143	42358.	34348.	1.23	24	41
3	3146	3147	48129.	51978.	0.93	24	41
3	3150	3628	31857.	34348.	0.93	24	31
3	3156	3157	23378.	31304.	0.75	42	31
3	3160	3161	5928.	11522.	0.51	45	31
3	3166	7404	39181.	51978.	0.75	24	31
3	3173	3174	10745.	11522.	0.93	45	31
3	3181	3182	10380.	12870.	0.81	37	31
3	3187	3297	19951.	25782.	0.77	37	31
3	3206	8097	18183.	17174.	1.06	32	41
3	3209	8096	36325.	34348.	1.06	24	41
3	3302	3303	45064.	34348.	1.31	24	31
3	3307	7414	2845.	9218.	0.31	46	31
3	3721	4277	50244.	54326.	0.92	23	41
3	3884	3889	91410.	74478.	1.23	12	31
3	3885	3883	94431.	74478.	1.27	12	31
3	4223	4220	92246.	93098.	0.99	12	41
3	4225	4219	94089.	74478.	1.26	12	41
3	4244	3205	29546.	54359.	0.54	92	51
3	4785	4793	14751.	18750.	0.79	88	31
3	4787	4780	15178.	18750.	0.81	87	31
3	TOTALS		1207122.	1305860.	0.92	SCREEN LINE 3	

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
4	2045	2040	76631.	55989.	1.37	12	31
4	2500	4329	15122.	55989.	0.27	92	31
4	2621	7439	32545.	34348.	0.95	24	31
4	2695	2429	14452.	55989.	0.26	92	31
4	2729	2732	19891.	24914.	0.80	44	31
4	2736	2737	72288.	55989.	1.29	12	31
4	2874	4235	28479.	32956.	0.86	41	31
4	2991	2994	15033.	13740.	1.09	36	31
4	3109	4221	53213.	43163.	1.23	24	41
4	3232	3234	53371.	50544.	1.06	25	41
4	3255	8505	22152.	12870.	1.72	37	31
4	3421	4206	61194.	51978.	1.18	24	41
4	3423	4197	66133.	51978.	1.27	24	44
4	3592	3594	23045.	24914.	0.92	44	44
4	3763	8505	21463.	12870.	1.67	37	31
4	4134	5996	44621.	34348.	1.30	24	31
4	4146	4163	42349.	37500.	1.13	12	31
4	4162	4144	37269.	37500.	0.99	12	31
4	4200	7656	22029.	12870.	1.71	37	44
4	4429	4773	29190.	34348.	0.85	24	44
4	4636	4637	42608.	51978.	0.82	24	44
4	4637	7875	75142.	51978.	1.45	24	41
4	4777	4783	12466.	11522.	1.08	45	41
4	4926	4928	29618.	17174.	1.72	32	41
4	4927	2291	83381.	55989.	1.49	12	41
4	5103	5104	62763.	51978.	1.21	24	41
4	5367	7385	53625.	34348.	1.56	24	41
4	5606	7390	44802.	33392.	1.34	25	41
4	5750	5751	64936.	50544.	1.28	25	41
4	5906	5908	49178.	34348.	1.43	24	31
4	6100	6101	42377.	50544.	0.84	25	41
4	7300	8071	42101.	34348.	1.23	24	41
4	8391	8392	6550.	16086.	0.41	41	41
4	TOTALS		1360018.	1229026.	1.11	SCREEN LINE 4	

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
5	2097	2103	13501.	22761.	0.59	64	43
5	2102	2097	13288.	22761.	0.58	64	43
5	2725	2730	19257.	32956.	0.58	41	44
5	3428	3429	38379.	51978.	0.74	24	44
5	3437	3439	28357.	12870.	2.20	37	44
5	3446	3447	14690.	24914.	0.59	44	41
5	3456	3457	48090.	51978.	0.93	24	41
5	3463	3464	11597.	22761.	0.51	64	41
5	3467	3466	8735.	22761.	0.38	64	41
5	3471	3472	22672.	25782.	0.88	37	41
5	3477	3478	37707.	34348.	1.10	24	31
5	3488	3489	27645.	34348.	0.80	24	41
5	3497	3498	26366.	34348.	0.77	24	41
5	3504	3506	43758.	51978.	0.84	24	31
5	3511	3512	28844.	34348.	0.84	24	31
5	3518	3519	16962.	32956.	0.51	41	31
5	3527	3528	31722.	33392.	0.95	25	41
5	3538	3539	7935.	11522.	0.69	45	31
5	3544	3546	37612.	34348.	1.10	24	31
5	3552	3553	25345.	31696.	0.80	34	41
5	3563	3564	45753.	34348.	1.33	24	41
5	3900	3907	89443.	74478.	1.20	12	31
5	3902	3897	94465.	74478.	1.27	12	31
5	4669	4685	15093.	18750.	0.80	88	31
5	4675	4665	15555.	18750.	0.83	87	31
5	6998	6999	63902.	51978.	1.23	24	41
5	TOTALS		826673.	897588.	0.92	SCREEN LINE 5	

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SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
6	2125	2115	74531.	55989.	1.33	12	41
6	2416	8742	36461.	34348.	1.06	24	41
6	2416	9199	32091.	32652.	0.98	33	41
6	2435	3626	16463.	55989.	0.29	92	31
6	2504	2506	6673.	9218.	0.72	46	31
6	2554	7210	38618.	36218.	1.07	23	31
6	2639	3610	12738.	11522.	1.11	45	31
6	2640	6864	47958.	51978.	0.92	24	31
6	2641	3595	11263.	11522.	0.98	45	31
6	2710	2437	16932.	55989.	0.30	92	31
6	2720	8742	35392.	34348.	1.03	24	41
6	2762	2766	75064.	55989.	1.34	12	41
6	2764	2768	7734.	15457.	0.50	67	41
6	2767	2763	7749.	15457.	0.50	67	41
6	3011	3014	16383.	12108.	1.35	44	41
6	3012	3018	43248.	34348.	1.26	24	41
6	3261	3262	52838.	34348.	1.54	24	31
6	3409	4802	25813.	13740.	1.88	36	41
6	3482	3484	20057.	11522.	1.74	45	41
6	3483	6980	53714.	34348.	1.56	24	41
6	3495	8240	16930.	12108.	1.40	44	31
6	3723	7387	14728.	11522.	1.28	45	41
6	3846	5782	16782.	23608.	0.71	45	31
6	3909	7137	81207.	55989.	1.45	12	41
6	4016	4019	72647.	55989.	1.30	12	31
6	4316	7453	19892.	34348.	0.58	24	44
6	4322	6956	35166.	55989.	0.63	12	31
6	4539	4541	46492.	32652.	1.42	33	41
6	4540	8955	38676.	32652.	1.18	33	41
6	4542	8956	56169.	32652.	1.72	33	41
6	4666	4667	20372.	16086.	1.27	33	41
6	4668	9200	32091.	32652.	0.98	33	41
6	4792	4797	36455.	34348.	1.06	24	41
6	4946	4018	71223.	55989.	1.27	12	31
6	5132	5133	41903.	34348.	1.22	24	41
6	5134	7499	47572.	34348.	1.38	24	41
6	5386	5387	51610.	33392.	1.55	25	41
6	5639	5643	35034.	23608.	1.48	45	12
6	5642	5644	39158.	33392.	1.17	25	12
6	5784	5786	44922.	33392.	1.35	25	41
6	5929	5936	36135.	23608.	1.53	45	41
6	5931	5933	51604.	50544.	1.02	25	41
6	6033	6034	26158.	13740.	1.90	36	31
6	6957	4321	49408.	55989.	0.88	12	31

6	7139	4671	86475.	55989.	1.54	12	41
6	8955	8956	45946.	32652.	1.41	33	41
6	9199	9200	32091.	32652.	0.98	33	41
6	TOTALS		1778564.	1561328.	1.14		

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SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
7	2004	7854	73088.	54326.	1.35	23	32
7	2039	2051	32303.	33392.	0.97	25	42
7	2041	2057	18996.	33392.	0.57	25	12
7	2042	2058	26447.	25044.	1.06	38	43
7	2323	5092	52654.	50544.	1.04	25	31
7	2335	2345	73934.	74478.	0.99	92	31
7	2389	5103	41634.	34348.	1.21	24	31
7	3984	3987	5240.	15707.	0.33	79	11
7	3986	3985	82515.	77174.	1.07	11	11
7	4482	4903	64120.	74478.	0.86	92	31
7	4908	5083	79267.	51978.	1.53	24	41
7	5002	5198	10349.	15707.	0.66	75	11
7	5003	5209	82251.	77174.	1.07	11	11
7	5013	5014	9016.	11522.	0.78	45	11
7	5020	7446	18567.	24478.	0.76	38	11
7	5026	5027	9311.	11522.	0.81	45	11
7	5034	5037	8884.	22174.	0.40	64	11
7	5048	5046	20322.	22174.	0.92	64	11
7	5059	5060	21433.	22174.	0.97	64	11
7	5071	5072	60188.	60086.	1.00	25	11
7	5106	8379	21542.	23608.	0.91	45	31
7	5113	5114	50074.	34348.	1.46	24	31
7	5122	5123	18235.	12870.	1.42	37	31
7	5131	5132	72778.	51978.	1.40	24	41
7	5140	5141	48729.	34348.	1.42	24	41
7	5147	5148	22096.	12870.	1.72	37	31
7	5153	5154	55994.	50544.	1.11	25	41
7	5159	5160	47149.	33392.	1.41	25	41
7	5164	5166	52499.	50544.	1.04	25	31
7	5170	5171	38922.	27130.	1.43	36	41
7	5173	5180	15222.	16086.	0.95	33	41
7	5176	5177	40281.	33392.	1.21	25	31
7	7729	8503	0.	18750.	0.00	98	31
7	8503	2462	0.	18750.	0.00	98	31
7	TOTALS		1274041.	1210482.	1.05		

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
8	2146	2149	45235.	51978.	0.87	24	43
8	2171	2803	81728.	55989.	1.46	12	31
8	2213	2214	25918.	31413.	0.83	75	31
8	2236	2242	26652.	31413.	0.85	79	31
8	2252	2928	25444.	24914.	1.02	44	31
8	2269	2244	5984.	15707.	0.38	75	31
8	2270	2271	58115.	55989.	1.04	12	31
8	2280	2281	64340.	55989.	1.15	12	31
8	2438	2475	5817.	55989.	0.10	92	31
8	2477	6895	6750.	55989.	0.12	92	31
8	2509	2513	36969.	36218.	1.02	23	31
8	2558	2561	65652.	54326.	1.21	23	31
8	2565	2669	12688.	11522.	1.10	45	31
8	2660	2664	51909.	51978.	1.00	24	31
8	2804	2172	87159.	55989.	1.56	12	31
8	2807	3713	9096.	13740.	0.66	36	31
8	2811	2812	34354.	34348.	1.00	24	31
8	2819	2820	15643.	9218.	1.70	46	31
8	2824	2949	15552.	12108.	1.28	44	31
8	2831	3709	14271.	12108.	1.18	44	31
8	2832	2953	7393.	9218.	0.80	46	31
8	2844	2960	37731.	34348.	1.10	24	41
8	2850	4404	64466.	63566.	1.01	24	41
8	3706	3707	13418.	11522.	1.16	45	31
8	4911	4913	9333.	22500.	0.41	81	31
8	5365	5375	6202.	22500.	0.28	81	31
8	8261	8262	11634.	11522.	1.01	45	31
8	TOTALS		839452.	902101.	0.93		

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HIGHWAY EVALUATION -- YEAR/ALT (a20) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
9	2295	2290	52876.	55989.	0.94	92	31
9	3749	7534	21652.	16086.	1.35	41	41
9	3798	5974	37685.	34348.	1.10	24	41
9	4152	4153	31491.	47120.	0.67	75	31
9	4494	5972	53982.	55989.	0.96	92	31
9	5956	6038	23412.	20544.	1.14	36	51
9	5958	7370	17989.	32956.	0.55	41	31
9	5959	7223	11724.	24914.	0.47	44	31
9	5962	7330	22677.	34348.	0.66	24	31
9	5963	6050	9480.	24914.	0.38	44	31
9	5966	6054	31225.	34348.	0.91	24	31
9	5969	6063	30149.	34348.	0.88	24	31
9	6078	7373	38410.	34348.	1.12	24	31
9	6092	6093	36423.	34348.	1.06	24	31
9	6110	7950	43861.	50544.	0.87	25	41
9	6112	6116	25380.	16086.	1.58	33	31
9	6120	6121	35552.	17174.	2.07	32	32
9	6126	6178	24855.	17174.	1.45	32	32
9	7893	8328	27173.	60218.	0.45	31	51
9	8224	4149	64360.	74478.	0.86	12	31
9	TOTALS		640356.	720274.	0.89		

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SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
10	2218	2912	39985.	36218.	1.10	23	31
10	2480	2293	33459.	55989.	0.60	92	31
10	2487	5198	11861.	11522.	1.03	45	31
10	2582	3857	84637.	51978.	1.63	24	31
10	2610	7400	14238.	11522.	1.24	45	31
10	2674	2676	77533.	51978.	1.49	24	31
10	2678	2679	49613.	34348.	1.44	24	41
10	2798	2804	70956.	55989.	1.27	12	41
10	2803	2797	65053.	55989.	1.16	12	41
10	2919	2921	6423.	11522.	0.56	45	31
10	2923	2927	13073.	9218.	1.42	46	31
10	3051	3054	19100.	27826.	0.69	64	31
10	3053	3050	18658.	27826.	0.67	64	31
10	3163	3167	50742.	32652.	1.55	33	31
10	3166	3168	37569.	51978.	0.72	24	31
10	3284	3286	50139.	33392.	1.50	25	31
10	3382	7397	39420.	25044.	1.57	38	31
10	3527	3531	26337.	25033.	1.05	38	41
10	3529	7406	16854.	11522.	1.46	45	41
10	3530	3526	14361.	22761.	0.63	64	31
10	3927	8426	81884.	55989.	1.46	12	31
10	3963	3989	72383.	58141.	1.24	11	41
10	3990	4989	66443.	58141.	1.14	11	41
10	4067	4070	22117.	38587.	0.57	11	41
10	4068	5833	23155.	38587.	0.60	11	41
10	4479	2479	33952.	55989.	0.61	92	31
10	4584	7403	31360.	32652.	0.96	33	31
10	4586	7401	43393.	34348.	1.26	24	41
10	4719	4722	10265.	15218.	0.67	34	41
10	4724	7840	27034.	32652.	0.83	33	41
10	4870	7841	24537.	23608.	1.04	45	41
10	4874	8063	26843.	34348.	0.78	24	41
10	4984	4991	17708.	12108.	1.46	44	31
10	4990	4996	2852.	11522.	0.25	45	41
10	5007	8065	3207.	15457.	0.21	63	31
10	5014	5006	6015.	15457.	0.39	63	11
10	5182	5183	29163.	32728.	0.89	33	41
10	5189	5201	12371.	22761.	0.54	64	31
10	5194	5204	712.	15022.	0.05	64	21
10	5200	5188	9500.	15022.	0.63	64	31
10	5203	5192	1271.	15022.	0.08	64	21
10	5207	5196	2224.	15022.	0.15	64	21
10	5434	5439	16939.	22761.	0.74	64	41
10	5440	5437	15785.	22761.	0.69	64	31

10	5441	8020	19353.	22761.	0.85	64 41
10	5688	5689	31758.	34348.	0.92	24 31
10	5840	5844	14985.	16892.	0.89	24 31
10	5847	7377	29927.	34348.	0.87	24 31
10	8425	3925	86232.	55989.	1.54	12 31
10	TOTALS		1503378.	1502548.	1.00	

```
   FLORIDA D.O.T.
PAGE NO.    50
       FSUTMS             Miami-Dade      2020 MODEL
DATE   27OCT01
      VER 5.40            Miami-dade
TIME  00:24:07
```

HIGHWAY EVALUATION -- YEAR/ALT (a20) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
11	3669	6237	22900.	27392.	0.84	31	51
11	3811	6320	9120.	9218.	0.99	46	31
11	3814	6324	20120.	16086.	1.25	33	32
11	4336	6313	59888.	50544.	1.18	25	41
11	6244	7341	52495.	51978.	1.01	24	41
11	6253	6301	32602.	34348.	0.95	24	31
11	6299	8192	111239.	93098.	1.19	92	31
11	6326	6358	35116.	17174.	2.04	32	31
11	6329	7981	4263.	9218.	0.46	46	32
11	7986	7989	13628.	9218.	1.48	46	41
11	7995	7996	23652.	13740.	1.72	36	31
11	8193	2284	116220.	93098.	1.25	92	31
11	TOTALS		501242.	425112.	1.18		
12	2001	5331	3021.	54326.	0.06	23	44
12	2006	2007	71091.	54326.	1.31	23	32
12	2043	4473	15055.	32652.	0.46	33	31
12	2072	2074	127534.	111978.	1.14	12	31
12	2108	3569	47217.	51978.	0.91	24	31
12	2148	8175	50099.	63566.	0.79	24	43
12	2156	8154	28127.	111978.	0.25	17	31
12	3213	3214	24110.	34348.	0.70	24	31
12	5848	5849	49628.	54326.	0.91	23	32
12	TOTALS		415882.	569478.	0.73		
13	2155	8461	33506.	37500.	0.89	92	32
13	2452	8460	38192.	37500.	1.02	92	32
13	3666	6371	22953.	34392.	0.67	32	32
13	6364	6366	8804.	12500.	0.70	43	51
13	6367	6368	7687.	12260.	0.63	43	31
13	6371	7998	27696.	27130.	1.02	36	31
13	6433	8377	15462.	13740.	1.13	36	31
13	6489	7491	10443.	12260.	0.85	43	32
13	6492	6546	35133.	34348.	1.02	24	42
13	6501	6503	57946.	51978.	1.11	24	31
13	6558	6559	7974.	15326.	0.52	42	31
13	6562	6563	2520.	9218.	0.27	46	32
13	6568	6611	14.	12500.	0.00	43	51
13	8460	2120	38192.	37500.	1.02	92	32
13	8461	2454	33506.	37500.	0.89	92	32

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13        TOTALS      340027.    385652.       0.88


99        TOTALS   206505808. 226656192.       0.91 SCREEN LINE 99
```

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 ****  *****   ***   *****  *****   ****  *****  *****   ****   ****
*        *    *   *    *      *    *        *      *    *      *
 ***     *    *****    *      *     ***     *      *    *       ***
    *    *    *   *    *      *        *    *      *    *  *
****     *    *   *    *    *****  ****     *    *****   ****  ****
```

TOTAL NUMBER OF LINKS	8318
TOTAL SYSTEM MILES	1931.48
TOTAL LANE MILES	5959.71
TOTAL DIRECTIONAL MILES	3295.05
TOTAL VMT USING VOLUMES	53417548
TOTAL VMT USING CAPACITY	59895140
TOTAL VMT V/C	0.89
TOTAL VHT USING VOLUMES	3450846
TOTAL VHT USING CAPACITY	2903666
TOTAL VHT V/C	1.19
TOTAL VOLUMES ALL LINKS	220074416
AVERAGE TOTAL VOLUME	26457.61
TOTAL VMT ALL LINKS	53417548
TOTAL VHT ALL LINKS	3450846
TOTAL ORIGINAL SPEED (MPH)	32.25
TOTAL CONGESTED SPEED (MPH)	20.97
TOTAL ACCIDENTS	221.21
TOTAL INJURIES	141.93
TOTAL FATALITIES	0.82
TOTAL CO EMISSIONS (KILOGRAMS)	1365476
TOTAL HC EMISSIONS (KILOGRAMS)	89293
TOTAL NO EMISSIONS (KILOGRAMS)	104160
TOTAL FUEL USE	3342871
TOTAL NEW LANE MILEAGE	0
TOTAL CONSTRUCTION COST (X $1000)	0

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TOTAL ACCIDENT COST (DOLLARS)              5624940

TOTAL USERS COST (DOLLARS)                21901136

TOTAL MAINTENANCE COST (DOLLARS)            782253

TOTAL DELAY DUE TO CONGESTION (VEH-HRS)    1944154.62
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YEAR 2020 MOBILE.20A

```
5          PROMPT - vertical flag input, no prompting (NLEV 2001)
MOBILE5a FDOT: MIAMI 2020 WITH FSUTMS.V54 (Includes NLEV Starting in 2001)
1          TAMFLG - default tampering rates
1          SPDFLG - one speed per scenario
1          VMFLAG - default vmt mix
1          MYMRFG - default registration and mileage accrual rates
2          NEWFLG - alternate exhaust emission rates
1          IMFLAG - without I/M program
1          ALHFLG - no additional correction factor inputs
1          ATPFLG - without anti-tampering program
5          RLFLAG - no refueling losses, treated as stationary source
2          LOCFLG - read in local area parameters as one time
1          TEMFLG - calculate exhaust temperatures
4          OUTFMT - 80 column portrait output format
4          PRTFLG - print exhaust HC, CO and NOx emission factor results
2          IDLFLG - Calculate & print idle emissions results (when available)
3          NMHFLG - print VOCs
3          HCFLAG - print HC components
004
1 7 3 90 90 05.639 00.000
1 7 3 91 97 04.598 00.000
1 7 3 98 03 03.679 00.000
1 7 3 04 20 01.840 00.000
MIAMI         FL C 69.3 91.2  9.2  7.8 92           LAP record
4 20  3.0 84.  20.6 27.3 20.6  7                    Scenario records
01 1 1
4 20  6.0 84.  20.6 27.3 20.6  7
01 1 1
4 20  9.0 84.  20.6 27.3 20.6  7
01 1 1
4 20 12.0 84.  20.6 27.3 20.6  7
01 1 1
4 20 15.0 84.  20.6 27.3 20.6  7
01 1 1
4 20 18.0 84.  20.6 27.3 20.6  7
01 1 1
4 20 21.0 84.  20.6 27.3 20.6  7
01 1 1
4 20 24.0 84.  20.6 27.3 20.6  7
01 1 1
4 20 27.0 84.  20.6 27.3 20.6  7
01 1 1
4 20 30.0 84.  20.6 27.3 20.6  7
01 1 1
4 20 33.0 84.  20.6 27.3 20.6  7
01 1 1
4 20 36.0 84.  20.6 27.3 20.6  7
01 1 1
4 20 39.0 84.  20.6 27.3 20.6  7
01 1 1
4 20 42.0 84.  20.6 27.3 20.6  7
01 1 1
4 20 45.0 84.  20.6 27.3 20.6  7
01 1 1
4 20 48.0 84.  20.6 27.3 20.6  7
01 1 1
4 20 51.0 84.  20.6 27.3 20.6  7
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01 1 1
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4 20 57.0 84.  20.6 27.3 20.6  7
01 1 1
4 20 60.0 84.  20.6 27.3 20.6  7
01 1 1
4 20 63.0 84.  20.6 27.3 20.6  7
01 1 1
4 20 65.0 84.  20.6 27.3 20.6  7
01 1 1
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YEAR 2020 NLEVSTD.D

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1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    95
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    96
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    97
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    98
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    99
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0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    01
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    02
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    03
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    04
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    05
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  1994 LDGT1
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    95
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    96
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    97
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    98
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    99
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0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    04
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    05
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  1994 LDGT2
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    95
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    96
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1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  1994 LDGT3
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0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    05
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YEAR 2020 PROFILE.MAS

```
&TWODIGIT
YES
&VFACTORS
YES
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Miami
&MOBILE               DIRECTORY WHERE MOBILE PARAMETER FILES ARE STORED
c:\fsutms.v54\
&IMFAC                INSPECTION/MAINTENANCE CREDIT PERCENTAGE FOR EMIS
0.00000
&EMISFAC              FACTOR TO ADJUST MODEL VMT TO MATCH HPMS TARGET VALUE
0.95570
&FSUTMS               DIRECTORY WHERE SCRIPT FILES ARE LOCATED
..\SCRIPT
&AVEZONE              NUMBER OF ZONES TO AVERAGE TO COMPUTE IZ DISTANCE
1
&TRANZONE             TRANSIT ACCESS ANALYSIS ZONE
642
&ZONESI               INTERNAL ZONES
1500
&ZONESX              FIRST EXTERNAL ZONE
1501
&ZONESA               TOTAL ZONES
1521
&VALIDATE
NO
&ANALYSIS
YES
&GLSELECT
0
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Miami-dade
&SZONE                STARTING ZONE FOR CARDINAL DISTRIBUTION
1
&FZONE                ENDING ZONE FOR CARDINAL DISTRIBUTION
1500
&DISTRICT             NUMBER OF PLANNING DISTRICS
96
&SUPERDIST            NUMBER OF SUPER DISTRICTS
26
&CBDZONE              THE CBD ZONES
642
&SELDEST              SELECTED DESTINATION ZONES
1-1500
&TERM10               TERMINAL TIME FOR AREA TYPE
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1
&TERM58              TERMINAL TIME FOR AREA TYPE
1
&TERM59              TERMINAL TIME FOR AREA TYPE
1
&NODES               MAXIMUM NUMBER OF NODES IN HWY NET
15000
&UNITS               UNITS PER MILE
5280
&CONFAC              FOR CAPACITY CONSTRAINT
0.10
&CAPFAC              FOR PLOTTING LOS E
0.10
&ITER                MAXIMUM EQUILIBRIUM ITERATIONS
25
&UROADF              UROAD CAPACITY FACTOR
0.75
&DAMPING             DAMPING FACTOR USED TO MINIMIZE TIME MODULATIONS BETWEEN
ITERATION
0.5
&BPRMAX
4.0
&EPS
0.10
&CTOLL               COEFFICIENT OF TOLL FACTOR USED IN TOLL MODEL
0.08
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CONTINUITY
0.10
&TOLLS2              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.15
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CONTINUITY
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CONTINUITY
1.00
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CONTINUITY
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CONTINUITY
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CONTINUITY
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CONTINUITY
0.10
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CONTINUITY
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1.00
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CONTINUITY
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CONTINUITY
0.00
&SERVT14             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT15             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT16             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT17             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT18             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT19             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT20             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
```

```
&MAXTIM
70
&ATITER                 NUMBER OF GMODEL ITERATIONS
7
&AOFAC1                 AUTO OCC FOR HBW
0.7936
&AOFAC2                 AUTO OCC FOR HBSH
0.5747
&AOFAC3                 AUTO OCC FOR HBSR
0.5747
&AOFAC4                 AUTO OCC FOR HBO
0.5747
&AOFAC5                 AUTO OCC FOR NHB
0.5917
&UNCONNECT              MAXIMUM TRANSIT TIME
255
&NUMFARE                MAXIMUM NUMBER OF FARE CATEGORES
8
&HOV                    SWITCH FOR HOV TYPE
TYPE1
&HOV1
HOV LINKS, LINK GROUP 2 = 80-89
&HOV2                   IDENTIFIES WHICH HTTAB TRIPS SHOULD BE ASSIGNED
SELECTED PURPOSES = 1-2
&HOV3                   FOR PLOTTING AND REPORTING, ADD LOV AND HOV TRIPS TOGETHER
ADD PURPOSES = 1-2
&PERIOD
24
&PLOTTER
HP7586
&PLOTPENS
8
&PLOTSIZE
30
&PAPER
NORMALD
&PLOTFAC
600
&DATA
DATA
&PLOTWIN
PLOTXY.STD
&PLOTWINA
PLOTXYA.STD
&PLOTWINB
PLOTXYB.STD
&PLOTWINC
PLOTXYC.STD
&PLOTWIND
PLOTXYD.STD
&PLOTWINE
PLOTXYE.STD
&PLOTWINF
PLOTXYF.STD
&PLOTWING
PLOTXYG.STD
&PLOTWINH
```

```
PLOTXYH.STD
&CHARHT
0.05
&NAMEB
SOUTH DADE (B)
&NAMEM
MIC/INTERCON (M)
&NAMEP
NORTH/BEACH CORR  (P)
&NAMEQ
EAST/WEST CORRIDOR(Q)
&NAMER
DOWNTOWN MIAMI    (R)
&NAMES
KENDALL/SOUTH CORR(S)
&NAMET
WEST CENTRAL AREA (T)
&NAMEU
NW/PALMETTO CORR  (U)
&NAMEV
I95/NORTH CORRIDOR(V)
&NAMEZ
SUNPIKE/27TH AVE  (Z)
&NAME1
SW (1)
&NAME2
NW (2)
&NAME3
NE (3)
&NAME4
SE (4)
&MAXUTIL
0.75
&QUEMAX
100
&QUELIM
4.9
&NUMFARE
9
&TOLLFM
TOLL FACILITIES MODEL
&MULTSQ
MULTIPLE SERVER QUEUES
&ACCUQT              FLAG FOR USING TOLL FACILTIES MODEL
~ ACCUMULATE QUEUEING TIME
&GMTIME
TIME2
&CITYCODE
MIA
&TITLE
1999 MTPM
&MAXD                Maximum sidewalk area around stations
0.4
&TERM                Auto access terminal time (home end)
2.0
&DEF                 Default auto access time
2.0
```

```
&NOPT                 Usage check on second auto connector
1
&BACK                 Backtrack flag for auto connector
1
&AOC                  Auto operating costs
9.5
&OC3                  Average 3+ auto occupancy
3.20  3.20  3.20  3.20  3.20
&OCTA                 Average park/ride auto occupancy
1.2  1.2  1.2
&TASPD                Average auto access speed
26.0  26.0
&MINRUN1              Minimum walk-to-local run time
3.0
&MINRUN2              Minimum walk-to-premium run time
3.0
&MINRUN3              Minimum auto-to-local run time
30.0
&MINRUN4              Minimum auto-to-premium run time
6.0
&INFL1                Transit fare inflation
1.0
&INFL2                Auto operating cost inflation
1.0
&INFL3                Parking cost inflation
1.0
&MSMIN                Minimum mode split
0.01  0.01  0.01
&HOVUSE               HOV usage flag
2
&HOVMIN               HOV minimum time
3.0
&RAILAC               Station walk access impedance flag
0
&VAL                  Validation summary flag
0
&KRFAC                Kiss/ride additional impedance factor
1.50
&JITNEY               Jitney flag (0=none, 1=base, 2=alt)
1
&VERS                 Model Version (1=standard FSUTMS, 2=Orlando 10 purposes)
1
&DEFMS                Default Regional Mode Splits
0.07770  0.02970  0.02970
&DEFUPD               Update Zonal Default Mode Splits (1=yes, 2=no)
1
&MAXTIM
70
&TRIZONE              TRI RAIL EXTERNAL ZONE
1467
&MAXTIME
120
&ROTANG
270
&PORTRAIT
0
&LANDSCAPE
```

```
0
&ROTANGW

&PLT
plt
&ASCII
YES
&DATABASE             Optional entry to enable database capability
NO
&DBCOUT               When activated, writes database files for TASSIGN
 DBC OUTPUT, INET
&MINUROADFAC          Specifies minimum UROAD factor allowed   (Optional)
0.50
&MAXUROADFAC          Specifies maximum UROAD factor allowed
1.00
&MINCONFAC            Specifies minimum CONFAC factor allowed
0.04
&MAXCONFAC            Specifies maximum CONFAC factor allowed
1.00
&MINBPRCOEFF          Specifies minimum BPR coefficient allowed
0.0
&MAXBPRCOEFF          Specifies maximum BPR coefficient allowed
1.00
&MINBPREXP            Specifies minimum BPR exponent allowed
1.00
&MAXBPREXP            Specifies maximum BPR exponent allowed
10.00
&EMISTABLES           Tables on HTTAB file for intrazonal emissions (default =
1)
1
&ASCII                Outputs file HRLDXY.ASC (similar to NETCARD output)
YES
&VFACTORS             Required entry.  YES must start in column one
YES
&DATABASE             Optional entry to enable database capability
NO
&DBCOUT               When activated, writes database files for TASSIGN
~ DBC OUTPUT, INET
&MINUROADFAC          Specifies minimum UROAD factor allowed   (Optional)
0.50
&MAXUROADFAC          Specifies maximum UROAD factor allowed
1.00
&MINCONFAC            Specifies minimum CONFAC factor allowed
0.04
&MAXCONFAC            Specifies maximum CONFAC factor allowed
1.00
&MINBPRCOEFF          Specifies minimum BPR coefficient allowed
0.0
&MAXBPRCOEFF          Specifies maximum BPR coefficient allowed
1.00
&MINBPREXP            Specifies minimum BPR exponent allowed
1.00
&MAXBPREXP            Specifies maximum BPR exponent allowed
10.00
&EMISTABLES           Tables on HTTAB file for intrazonal emissions (default =
1)
1
```

```
&ASCII                 Outputs file HRLDXY.ASC (similar to NETCARD output)
YES
&MODELCAP
~ MODEL CAPACITY
&COLORS
1,2,3,4,5,6,7,8
&ACTC                REPORT TRANSIT TRIPS=0 for CENTERS, 1 FOR TAZs
1
&KTHROW              ACTIVITY CENTER TEMP FILES, 1=KEEP, 0=DELETE
1
&STDZ2               STANDARD FSUTMSZ2, 1=TRUE, 0=RTA
1
&SELZONE             SELECTED TAZ
1506
&DTBZERO
7000
```

Appendix J

Year 2025 EMIS.OUT and Supporting FSUTMS Reports/Files

YEAR 2025 Emissions Results

YEAR 2025 EMIS.OUT

```
1MOBILE5a FDOT: MIAMI 2025 WITH FSUTMS.V54 (Includes NLEV Starting in 2001)
 MOBILE5a (26-Mar-93)
0
-M153 Error:
 Warning: Refueling emissions in grams-per-gallon are only available using the
120 column descriptive output option (OUTFMT = 3 or 5). See MOBILE5 Users
 Guide chapters 2.1.15, 2.1.19 and 2.1.20 for more information.
0              Emission Factor Modification Profile
+              ____________________________________
0Equation  Reg  Veh  Pol  First MY  Last MY    Base     DR           Altered
+________  ___  ___  ___  ________  _______    ____    ____          _______
     1      1    7    3     1990     1990     11.65     .00            Yes
     2      1    7    3     1991     1997      9.37     .00            Yes
     3      1    7    3     1998     2003      7.49     .00            Yes
     4      1    7    3     2004     2020      3.75     .00            Yes
0MIAMI         FL
                     Minimum Temp: 69. (F)   Maximum Temp: 91. (F)
                     Period 1 RVP:  9.2      Period 2 RVP:  7.8 Period 2 Yr:
1992
0VOC HC emission factors include evaporative HC emission factors.
0_____________________________________________________________________________
_
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.:  3.0    3.0    3.0           3.0    3.0    3.0    3.0    3.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  7.93   9.34  13.70  10.65  12.96   1.10   1.54   4.43  11.68   8.58
 Exhst  HC:  4.67   5.90   9.13   6.87   6.76   1.10   1.54   4.43   8.64   5.37
 Evap.  HC:   .14    .17    .18    .17    .84                         2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:  3.10   3.25   4.37   3.59   5.33                                3.02
 Rsting HC:   .02    .02    .02    .02    .02                           .41    .02
 Exhst  CO: 65.25  69.55 105.21  80.23  70.31   4.42   4.93  34.21 155.56  67.22
 Exhst NOX:  1.63   1.91   2.90   2.20   3.31   1.85   2.11   6.84    .85   2.29

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
```

```
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.:  6.0    6.0    6.0           6.0    6.0    6.0    6.0    6.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  3.64   4.33   6.42   4.96   7.43    .95   1.32   3.80   8.17   4.18
 Exhst  HC:  2.64   3.28   5.08   3.82   5.17    .95   1.32   3.80   5.13   3.17
 Evap.  HC:   .14    .17    .18    .17    .84                         2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .84    .86   1.14    .95   1.40                                 .81
 Rsting HC:   .02    .02    .02    .02    .02                          .41    .02
 Exhst  CO: 37.20  40.39  61.10  46.59  53.98   3.48   3.88  26.93  84.55  39.66
 Exhst NOX:  1.35   1.58   2.40   1.83   3.41   1.63   1.86   6.04    .75   1.95

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.:  9.0    9.0    9.0           9.0    9.0    9.0    9.0    9.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  2.62   3.10   4.59   3.54   5.69    .82   1.14   3.29   6.60   3.06
 Exhst  HC:  1.96   2.41   3.73   2.81   4.01    .82   1.14   3.29   3.56   2.39
 Evap.  HC:   .14    .17    .18    .17    .84                         2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .50    .50    .66    .55    .81                                 .48
 Rsting HC:   .02    .02    .02    .02    .02                          .41    .02
 Exhst  CO: 27.85  30.67  46.40  35.38  42.27   2.78   3.11  21.54  54.67  29.98
 Exhst NOX:  1.25   1.47   2.23   1.70   3.52   1.46   1.66   5.40    .71   1.81

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 12.0   12.0   12.0          12.0   12.0   12.0   12.0   12.0
```

```
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  2.17   2.54   3.75   2.90   4.64    .71   1.00   2.87   5.80   2.53
 Exhst  HC:  1.63   1.97   3.05   2.30   3.16    .71   1.00   2.87   2.76   1.98
 Evap.  HC:   .14    .17    .18    .17    .84                         2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .38    .38    .50    .42    .61                                 .36
 Rsting HC:   .02    .02    .02    .02    .02                           .41    .02
 Exhst  CO: 23.18  25.81  39.05  29.77  33.76   2.26   2.53  17.52  39.92  24.94
 Exhst NOX:  1.21   1.42   2.15   1.64   3.62   1.32   1.51   4.89    .70   1.72

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 15.0   15.0   15.0          15.0   15.0   15.0   15.0   15.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.88   2.20   3.24   2.51   3.88    .63    .87   2.52   5.34   2.20
 Exhst  HC:  1.42   1.71   2.65   1.99   2.53    .63    .87   2.52   2.30   1.72
 Evap.  HC:   .14    .17    .18    .17    .84                         2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .30    .30    .39    .33    .49                                 .29
 Rsting HC:   .02    .02    .02    .02    .02                           .41    .02
 Exhst  CO: 20.37  22.89  34.63  26.41  27.51   1.87   2.09  14.49  31.62  21.83
 Exhst NOX:  1.18   1.38   2.10   1.60   3.72   1.21   1.38   4.48    .72   1.66

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 18.0   18.0   18.0          18.0   18.0   18.0   18.0   18.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.69   1.96   2.89   2.24   3.31    .56    .77   2.23   5.05   1.96
 Exhst  HC:  1.29   1.54   2.38   1.79   2.05    .56    .77   2.23   2.01   1.54
```

```
 Evap.  HC:   .14    .17    .18    .17    .84                        2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .24    .24    .32    .26    .40                                .23
 Rsting HC:   .02    .02    .02    .02    .02                          .41    .02
 Exhst  CO: 18.51  20.95  31.69  24.17  22.86   1.57   1.76  12.17  26.36  19.71
 Exhst NOX:  1.16   1.36   2.07   1.57   3.83   1.13   1.28   4.16    .76   1.62

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 21.0   21.0   21.0          21.0   21.0   21.0   21.0   21.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.51   1.76   2.59   2.01   2.89    .50    .69   1.99   4.84   1.75
 Exhst  HC:  1.15   1.37   2.13   1.60   1.69    .50    .69   1.99   1.81   1.37
 Evap.  HC:   .14    .17    .18    .17    .84                        2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .20    .20    .27    .22    .34                                .19
 Rsting HC:   .02    .02    .02    .02    .02                          .41    .02
 Exhst  CO: 16.27  18.62  28.17  21.48  19.38   1.34   1.50  10.40  22.64  17.35
 Exhst NOX:  1.16   1.35   2.05   1.56   3.93   1.06   1.21   3.92    .80   1.60

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 24.0   24.0   24.0          24.0   24.0   24.0   24.0   24.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.35   1.59   2.33   1.81   2.57    .45    .62   1.79   4.69   1.57
 Exhst  HC:  1.01   1.23   1.90   1.43   1.41    .45    .62   1.79   1.65   1.21
 Evap.  HC:   .14    .17    .18    .17    .84                        2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .18    .18    .24    .19    .29                                .17
 Rsting HC:   .02    .02    .02    .02    .02                          .41    .02
 Exhst  CO: 13.82  16.02  24.23  18.48  16.75   1.17   1.30   9.03  19.78  14.83
```

```
 Exhst NOX:  1.18   1.35   2.05   1.56   4.03   1.01   1.15   3.73    .85   1.60

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 27.0   27.0   27.0          27.0   27.0   27.0   27.0   27.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.22   1.45   2.12   1.65   2.33    .41    .56   1.63   4.55   1.43
 Exhst  HC:   .90   1.11   1.72   1.29   1.20    .41    .56   1.63   1.52   1.09
 Evap.  HC:   .14    .17    .18    .17    .84                         2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .16    .16    .21    .17    .26                                 .15
 Rsting HC:   .02    .02    .02    .02    .02                          .41    .02
 Exhst  CO: 11.91  13.99  21.16  16.14  14.77   1.03   1.15   7.97  17.43  12.87
 Exhst NOX:  1.20   1.36   2.06   1.57   4.13    .98   1.11   3.60    .90   1.60

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 30.0   30.0   30.0          30.0   30.0   30.0   30.0   30.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.12   1.35   1.96   1.53   2.13    .37    .52   1.49   4.44   1.32
 Exhst  HC:   .82   1.02   1.58   1.19   1.03    .37    .52   1.49   1.40    .99
 Evap.  HC:   .14    .17    .18    .17    .84                         2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .14    .14    .19    .16    .24                                 .14
 Rsting HC:   .02    .02    .02    .02    .02                          .41    .02
 Exhst  CO: 10.38  12.37  18.71  14.27  13.29    .92   1.03   7.15  15.47  11.31
 Exhst NOX:  1.21   1.36   2.06   1.57   4.24    .95   1.09   3.52    .94   1.61

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
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```
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 33.0   33.0   33.0          33.0   33.0   33.0   33.0   33.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:  1.03   1.26   1.83   1.43   1.98    .34    .48   1.37   4.34   1.22
 Exhst  HC:   .75    .94   1.46   1.10    .90    .34    .48   1.37   1.30    .91
 Evap.  HC:   .14    .17    .18    .17    .84                         2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .13    .13    .17    .14    .21                                .12
 Rsting HC:   .02    .02    .02    .02    .02                           .41    .02
 Exhst  CO:  9.13  11.04  16.71  12.74  12.19    .84    .94   6.52  13.82  10.05
 Exhst NOX:  1.22   1.36   2.06   1.57   4.34    .94   1.08   3.49    .98   1.62

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 36.0   36.0   36.0          36.0   36.0   36.0   36.0   36.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .96   1.18   1.72   1.34   1.86    .32    .44   1.27   4.26   1.14
 Exhst  HC:   .69    .88   1.36   1.03    .80    .32    .44   1.27   1.22    .84
 Evap.  HC:   .14    .17    .18    .17    .84                         2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .12    .12    .16    .13    .19                                .11
 Rsting HC:   .02    .02    .02    .02    .02                           .41    .02
 Exhst  CO:  8.09   9.94  15.03  11.46  11.41    .78    .87   6.05  12.46   9.00
 Exhst NOX:  1.23   1.36   2.07   1.57   4.44    .95   1.08   3.50   1.01   1.63

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
```

```
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 39.0   39.0   39.0          39.0   39.0   39.0   39.0   39.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .90   1.12   1.62   1.27   1.77    .30    .41   1.19   4.19   1.08
 Exhst  HC:   .64    .83   1.28    .96    .72    .30    .41   1.19   1.16    .78
 Evap.  HC:   .14    .17    .18    .17    .84                         2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .10    .11    .14    .12    .18                                 .10
 Rsting HC:   .02    .02    .02    .02    .02                           .41    .02
 Exhst  CO:  7.21   9.00  13.62  10.39  10.89    .74    .82   5.70  11.39   8.12
 Exhst NOX:  1.23   1.36   2.07   1.57   4.54    .96   1.10   3.55   1.03   1.64

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                 Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 42.0   42.0   42.0          42.0   42.0   42.0   42.0   42.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .85   1.07   1.54   1.21   1.69    .28    .39   1.12   4.14   1.02
 Exhst  HC:   .60    .78   1.21    .91    .66    .28    .39   1.12   1.11    .74
 Evap.  HC:   .14    .17    .18    .17    .84                         2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .09    .10    .13    .11    .16                                 .09
 Rsting HC:   .02    .02    .02    .02    .02                           .41    .02
 Exhst  CO:  6.45   8.20  12.41   9.46  10.61    .71    .79   5.46  10.57   7.38
 Exhst NOX:  1.24   1.36   2.07   1.58   4.65    .99   1.13   3.66   1.05   1.65

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                 Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
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```
 Veh. Spd.: 45.0   45.0   45.0          45.0   45.0   45.0   45.0   45.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .81   1.02   1.47   1.15   1.63    .27    .37   1.07   4.11    .97
 Exhst  HC:   .56    .74   1.15    .86    .61    .27    .37   1.07   1.07    .70
 Evap.  HC:   .14    .17    .18    .17    .84                         2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .09    .09    .12    .10    .15                                 .08
 Rsting HC:   .02    .02    .02    .02    .02                           .41    .02
 Exhst  CO:  5.80   7.51  11.36   8.66  10.53    .69    .77   5.32   9.96   6.75
 Exhst NOX:  1.24   1.37   2.07   1.58   4.75   1.03   1.18   3.81   1.07   1.67

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 48.0   48.0   48.0          48.0   48.0   48.0   48.0   48.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .77    .98   1.41   1.11   1.58    .26    .36   1.02   4.09    .93
 Exhst  HC:   .53    .71   1.10    .82    .58    .26    .36   1.02   1.05    .66
 Evap.  HC:   .14    .17    .18    .17    .84                         2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .08    .08    .11    .09    .14                                 .08
 Rsting HC:   .02    .02    .02    .02    .02                           .41    .02
 Exhst  CO:  5.22   6.90  10.44   7.96  10.67    .68    .76   5.26   9.50   6.21
 Exhst NOX:  1.25   1.37   2.07   1.58   4.85   1.09   1.24   4.02   1.09   1.70

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+            ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 51.0   51.0   51.0          51.0   51.0   51.0   51.0   51.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .76    .97   1.39   1.10   1.54    .25    .34    .99   4.09    .92
```

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 Exhst  HC:   .53    .71   1.10    .82    .55    .25    .34    .99   1.05    .66
 Evap.  HC:   .14    .17    .18    .17    .84                         2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .07    .07    .10    .08    .12                                .07
 Rsting HC:   .02    .02    .02    .02    .02                             .41    .02
 Exhst  CO:  5.22   6.90  10.44   7.96  11.02    .68    .76   5.30   9.50   6.22
 Exhst NOX:  1.36   1.52   2.30   1.75   4.96   1.16   1.33   4.30   1.20   1.84

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 54.0   54.0   54.0          54.0   54.0   54.0   54.0   54.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .75    .96   1.38   1.09   1.51    .24    .33    .96   4.09    .91
 Exhst  HC:   .53    .71   1.10    .82    .54    .24    .33    .96   1.05    .65
 Evap.  HC:   .14    .17    .18    .17    .84                         2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .06    .07    .09    .07    .11                                .06
 Rsting HC:   .02    .02    .02    .02    .02                             .41    .02
 Exhst  CO:  5.22   6.90  10.44   7.96  11.62    .70    .78   5.42   9.50   6.25
 Exhst NOX:  1.46   1.67   2.53   1.93   5.06   1.26   1.44   4.66   1.30   1.99

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 57.0   57.0   57.0          57.0   57.0   57.0   57.0   57.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .78    .99   1.43   1.13   1.49    .24    .33    .95   4.24    .93
 Exhst  HC:   .57    .75   1.16    .87    .53    .24    .33    .95   1.20    .69
 Evap.  HC:   .14    .17    .18    .17    .84                         2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .06    .06    .08    .07    .10                                .05
 Rsting HC:   .02    .02    .02    .02    .02                             .41    .02
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 Exhst  CO:  6.18   8.01  12.12   9.25  12.49    .73    .81   5.63  14.07   7.25
 Exhst NOX:  1.57   1.82   2.76   2.10   5.16   1.38   1.58   5.11   1.41   2.14

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 60.0   60.0   60.0          60.0   60.0   60.0   60.0   60.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .83   1.05   1.52   1.19   1.48    .23    .33    .94   4.47    .98
 Exhst  HC:   .62    .81   1.25    .94    .53    .23    .33    .94   1.43    .74
 Evap.  HC:   .14    .17    .18    .17    .84                         2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .05    .05    .07    .06    .09                                 .05
 Rsting HC:   .02    .02    .02    .02    .02                          .41    .02
 Exhst  CO:  7.61   9.69  14.65  11.17  13.69    .77    .86   5.96  20.93   8.74
 Exhst NOX:  1.68   1.97   2.99   2.28   5.26   1.54   1.75   5.68   1.52   2.31

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 63.0   63.0   63.0          63.0   63.0   63.0   63.0   63.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .89   1.10   1.60   1.25   1.48    .23    .32    .93   4.69   1.03
 Exhst  HC:   .68    .87   1.34   1.01    .54    .23    .32    .93   1.66    .80
 Evap.  HC:   .14    .17    .18    .17    .84                         2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                 .00
 Runing HC:   .05    .05    .07    .05    .08                                 .05
 Rsting HC:   .02    .02    .02    .02    .02                          .41    .02
 Exhst  CO:  9.05  11.36  17.18  13.10  15.32    .83    .92   6.40  27.79  10.26
 Exhst NOX:  1.78   2.13   3.22   2.45   5.37   1.73   1.97   6.39   1.62   2.49

_____________________________________________________________________________
0Emission factors are as of July 1st of the indicated calendar year.
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 LEV phase-in begins in 2001 *NOT* using (12/1/92) Guidance Memo Credits
0User supplied  basic exhaust emissions rates.
0Cal. Year: 2020           Region: Low           Altitude:  500. Ft.
                      I/M Program: No        Ambient Temp:   86.2 / 86.2 / 86.2
F
                Anti-tam. Program: No      Operating Mode:   20.6 / 27.3 / 20.6
                 Reformulated Gas: No
0Veh. Type:  LDGV  LDGT1  LDGT2   LDGT   HDGV   LDDV   LDDT   HDDV   MC   All
Veh
+           ______ ______ ______ ______ ______ ______ ______ ______ ______
______
 Veh. Spd.: 65.0   65.0   65.0          65.0   65.0   65.0   65.0   65.0
   VMT Mix:   .575   .207   .089          .034   .002   .005   .084   .004
 ZEV Fract:   .00%   .00%
0Composite Emission Factors (Gm/Mile)
 VOC    HC:   .92   1.14   1.66   1.29   1.49    .23    .33    .94   4.84   1.07
 Exhst  HC:   .72    .90   1.40   1.05    .55    .23    .33    .94   1.81    .83
 Evap.  HC:   .14    .17    .18    .17    .84                         2.63    .17
 Refuel HC:   .00    .00    .00    .00    .00                                .00
 Runing HC:   .04    .05    .06    .05    .08                                .04
 Rsting HC:   .02    .02    .02    .02    .02                           .41    .02
 Exhst  CO: 10.00  12.47  18.87  14.39  16.68    .87    .98   6.77  32.36  11.29
 Exhst NOX:  1.86   2.23   3.38   2.57   5.44   1.88   2.15   6.96   1.69   2.62
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 FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 08:55:59  28OCT01

 INPUT CARD ECHO

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

SCENARIO  1        MOBILE.TEM
THE FOLLOWING IS A MATRIX WHICH ASSIGNS A SCENARIO TO EACH FT/AT COMBINATION
AT=>     1     2     3     4     5
_____________________________________
FT |
 1 |     1     1     1     1     1
 2 |     1     1     1     1     1
 3 |     1     1     1     1     1
 4 |     1     1     1     1     1
 5 |     1     1     1     1     1
 6 |     1     1     1     1     1
 7 |     1     1     1     1     1
 8 |     1     1     1     1     1
 9 |     1     1     1     1     1

INPUT COORDINATE SCALE(UNITS) FROM PROFILE.MAS IS   5280
 ***INFO*** ALL REPORT VALUES ARE BEING ADJUSTED BY A FACTOR 0F 0.9557
```

FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
- RUN TIME: 08:55:59 28OCT01

EMISSIONS IN GRAMS PER DAY

INFO all reported values have been adjusted by EMISFAC = 0.9557

- -

GEOGRAPHIC LOCATION NO 1

INFO all reported values have been adjusted by EMISFAC = 0.9557

FT	AT	TOTAL VOC	EXHAUST HC	EVAPORATE HC	REFUELING HC	RUN LOSS HC	EXHAUST CO	EXHAUST NOx
1	1	463728.	344494.	65146.	0.	45793.	3799199.	622358.
1	2	112903.	83837.	15318.	0.	11474.	933285.	147368.
1	3	8942922.	6715927.	1048138.	0.	1046147.	77065760.	10172079.
1	4	7171473.	5381562.	797654.	0.	889167.	63141284.	7704655.
1	5	1207998.	860524.	50514.	0.	289645.	10777435.	561254.
2	1	536865.	417196.	34763.	0.	80508.	5255176.	354040.
2	2	14566.	11256.	1537.	0.	1593.	138076.	14553.
2	3	19561082.	15108724.	1781667.	0.	2459225.	186973664.	17176636.
2	4	19427582.	15026843.	1570839.	0.	2642212.	187776272.	15370828.
2	5	718014.	523429.	113685.	0.	65276.	5407654.	1177280.
3	1	357806.	274206.	25704.	0.	54841.	3471511.	253923.
3	2	4498.	3511.	446.	0.	488.	44209.	4201.
3	3	6975086.	5405205.	597322.	0.	901210.	67443632.	5790080.
3	4	3365660.	2608677.	285097.	0.	438080.	32645986.	2763517.
3	5	929391.	690398.	130714.	0.	91053.	7602078.	1256480.
4	1	162980.	127677.	12049.	0.	21835.	1618057.	119014.
4	2	28638.	22350.	1951.	0.	4103.	282039.	19648.
4	3	8637429.	6653367.	772185.	0.	1119855.	82473032.	7451093.
4	4	2896776.	2235257.	255986.	0.	375045.	27693134.	2477247.
4	5	1433437.	1064270.	186643.	0.	158679.	12005399.	1788014.
5	1	138858.	108455.	7793.	0.	21692.	1360736.	82726.
5	2	9069.	7100.	629.	0.	1267.	89509.	6312.
5	3	4297221.	3356332.	356922.	0.	541977.	42419548.	3475768.
5	4	2509207.	1961729.	196154.	0.	328251.	24888654.	1914336.
5	5	409605.	315400.	50758.	0.	36373.	3947789.	580316.
6	1	615827.	479170.	44059.	0.	87300.	6033988.	439528.
6	2	16942.	12681.	1348.	0.	2754.	157392.	13202.
6	3	698126.	527925.	62547.	0.	100126.	6439497.	610287.
6	4	1123629.	865740.	85823.	0.	161868.	10882308.	844136.
7	1	210867.	161105.	13034.	0.	35156.	2029537.	133396.
7	2	82072.	61195.	5617.	0.	14597.	775142.	55582.
7	3	2046432.	1529758.	138903.	0.	360522.	19040536.	1398962.
7	4	1622064.	1229448.	123756.	0.	253814.	15270937.	1224596.
7	5	57895.	44040.	6326.	0.	6784.	517526.	61100.
8	3	948861.	710578.	126141.	0.	96369.	7952594.	1286863.
8	4	38745.	29122.	5240.	0.	3679.	330751.	53772.
9	3	6177801.	4521737.	839314.	0.	707942.	49176548.	8389595.
9	4	205035.	154019.	24811.	0.	22563.	1739255.	271387.
9	5	743614.	555778.	131103.	0.	41352.	6118160.	1680733.

```
GL TOTAL104900680. 80190224.  9967649.        0. 13520634.975717632. 97746808.
 (TONS)     115.53     88.32     10.98      0.00     14.89   1074.58    107.65
```

FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
- RUN TIME: 08:55:59 28OCT01

EMISSIONS IN GRAMS PER DAY

INFO all reported values have been adjusted by EMISFAC = 0.9557

- -

ALL GEOGRAPHIC LOCATIONS

FT	AT	TOTAL VOC	EXHAUST HC	EVAPORATE HC	REFUELING HC	RUN LOSS HC	EXHAUST CO	EXHAUST NOx
1	1	463728.	344494.	65146.	0.	45793.	3799199.	622358.
1	2	112903.	83837.	15318.	0.	11474.	933285.	147368.
1	3	8942922.	6715927.	1048138.	0.	1046147.	77065760.	10172079.
1	4	7171473.	5381562.	797654.	0.	889167.	63141284.	7704655.
1	5	1207998.	860524.	50514.	0.	289645.	10777435.	561254.
2	1	536865.	417196.	34763.	0.	80508.	5255176.	354040.
2	2	14566.	11256.	1537.	0.	1593.	138076.	14553.
2	3	19561082.	15108724.	1781667.	0.	2459225.	186973664.	17176636.
2	4	19427582.	15026843.	1570839.	0.	2642212.	187776272.	15370828.
2	5	718014.	523429.	113685.	0.	65276.	5407654.	1177280.
3	1	357806.	274206.	25704.	0.	54841.	3471511.	253923.
3	2	4498.	3511.	446.	0.	488.	44209.	4201.
3	3	6975086.	5405205.	597322.	0.	901210.	67443632.	5790080.
3	4	3365660.	2608677.	285097.	0.	438080.	32645986.	2763517.
3	5	929391.	690398.	130714.	0.	91053.	7602078.	1256480.
4	1	162980.	127677.	12049.	0.	21835.	1618057.	119014.
4	2	28638.	22350.	1951.	0.	4103.	282039.	19648.
4	3	8637429.	6653367.	772185.	0.	1119855.	82473032.	7451093.
4	4	2896776.	2235257.	255986.	0.	375045.	27693134.	2477247.
4	5	1433437.	1064270.	186643.	0.	158679.	12005399.	1788014.
5	1	138858.	108455.	7793.	0.	21692.	1360736.	82726.
5	2	9069.	7100.	629.	0.	1267.	89509.	6312.
5	3	4297221.	3356332.	356922.	0.	541977.	42419548.	3475768.
5	4	2509207.	1961729.	196154.	0.	328251.	24888654.	1914336.
5	5	409605.	315400.	50758.	0.	36373.	3947789.	580316.
6	1	615827.	479170.	44059.	0.	87300.	6033988.	439528.
6	2	16942.	12681.	1348.	0.	2754.	157392.	13202.
6	3	698126.	527925.	62547.	0.	100126.	6439497.	610287.
6	4	1123629.	865740.	85823.	0.	161868.	10882308.	844136.
7	1	210867.	161105.	13034.	0.	35156.	2029537.	133396.
7	2	82072.	61195.	5617.	0.	14597.	775142.	55582.
7	3	2046432.	1529758.	138903.	0.	360522.	19040536.	1398962.
7	4	1622064.	1229448.	123756.	0.	253814.	15270937.	1224596.
7	5	57895.	44040.	6326.	0.	6784.	517526.	61100.
8	3	948861.	710578.	126141.	0.	96369.	7952594.	1286863.
8	4	38745.	29122.	5240.	0.	3679.	330751.	53772.
9	3	6177801.	4521737.	839314.	0.	707942.	49176548.	8389595.
9	4	205035.	154019.	24811.	0.	22563.	1739255.	271387.
9	5	743614.	555778.	131103.	0.	41352.	6118160.	1680733.
SUM		104900680.	80190224.	9967649.	0.	13520634.	975717632.	97746808.
(TONS)		115.53	88.32	10.98	0.00	14.89	1074.58	107.65

```
 FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 08:55:59  28OCT01

 EMISSIONS IN GRAMS PER DAY

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557
```

FACILITY TYPE	TOTAL VOC	EXHAUST HC	EVAPORATE HC	REFUELING HC	RUN LOSS HC	EXHAUST CO	EXHAUST NOx
1	17899026.	13386341.	1976769.	0.	2282225.	155716864.	19207726.
2	40258100.	31087486.	3502483.	0.	5248810.	385550880.	34093348.
3	11632425.	8981994.	1039283.	0.	1485672.	111207472.	10068194.
4	13159252.	10102916.	1228812.	0.	1679515.	124071808.	11854998.
5	7363975.	5749012.	612257.	0.	929560.	72706232.	6059458.
6	2454523.	1885515.	193777.	0.	352047.	23513190.	1907155.
7	4019323.	3025549.	287636.	0.	670872.	37633684.	2873636.
8	987606.	739700.	131381.	0.	100049.	8283344.	1340635.
9	7126449.	5231529.	995228.	0.	771857.	57033976.	10341717.
SUM	104900680.	80190224.	9967649.	0.	13520634.	975717632.	97746808.
(TONS)	115.53	88.32	10.98	0.00	14.89	1074.58	107.65

AREA TYPE	TOTAL VOC	EXHAUST HC	EVAPORATE HC	REFUELING HC	RUN LOSS HC	EXHAUST CO	EXHAUST NOx
1	2486931.	1912303.	202548.	0.	347124.	23568194.	2004986.
2	268689.	201929.	26845.	0.	36274.	2419652.	260865.
3	58285008.	44529560.	5723146.	0.	7333382.	538986176.	55751288.
4	38360156.	29492468.	3345353.	0.	5114674.	364367840.	32624438.
5	5499955.	4053840.	669745.	0.	689161.	46376068.	7105176.
SUM	104900680.	80190224.	9967649.	0.	13520634.	975717632.	97746808.
(TONS)	115.53	88.32	10.98	0.00	14.89	1074.58	107.65

NUMBER LANES	TOTAL VOC	EXHAUST HC	EVAPORATE HC	REFUELING HC	RUN LOSS HC	EXHAUST CO	EXHAUST NOx
1	26109436.	20032566.	2201153.	0.	3607642.	248653056.	21646724.
2	34811100.	26776670.	3261644.	0.	4378312.	328569376.	31851792.
3	32472838.	24771528.	3134484.	0.	4182404.	299240736.	31002322.
4	6728210.	5012084.	753900.	0.	866837.	58075196.	7316743.
5	4536480.	3420238.	578340.	0.	463047.	39341684.	5561619.
6	242702.	177002.	38108.	0.	22387.	1837692.	367670.
SUM	104900680.	80190224.	9967649.	0.	13520634.	975717632.	97746808.
(TONS)	115.53	88.32	10.98	0.00	14.89	1074.58	107.65

```
 FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 08:55:59  28OCT01

 DAILY VEHICLE MILES

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
DAILY VMT - GEOGRAPHIC LOCATION NO      1:

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557
```

FT	1	2	3	4	5	TOTAL
	----------	----------	AREA TYPES	----------	----------	
1	383210.	90103.	6415868.	4692080.	297141.	11878403.
2	204485.	9040.	10505004.	9253935.	668737.	20641202.
3	151201.	2626.	3513658.	1677039.	768907.	6113430.
4	70877.	11477.	4548178.	1510865.	1097899.	7239296.
5	45841.	3699.	2099541.	1153842.	379849.	3682773.
6	260940.	7928.	367924.	504839.	0.	1141631.
7	76668.	33040.	834903.	729467.	37213.	1711292.
8	0.	0.	742006.	30824.	0.	772830.
9	0.	0.	4997868.	163142.	781725.	5942734.
GL TOTAL	1193223.	157913.	34024908.	19716042.	4031477.	59123564.

```
 FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 08:55:59  28OCT01

 DAILY VEHICLE MILES

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
DAILY VMT - ALL GEOGRAPHIC LOCATIONS
            ---------------- AREA TYPES -----------------
 FT             1         2         3         4         5     TOTAL
_____________________________________________________________________________

  1        383210.    90103.  6415868.  4692080.   297141. 11878403.
  2        204485.     9040. 10505004.  9253935.   668737. 20641202.
  3        151201.     2626.  3513658.  1677039.   768907.  6113430.
  4         70877.    11477.  4548178.  1510865.  1097899.  7239296.
  5         45841.     3699.  2099541.  1153842.   379849.  3682773.
  6        260940.     7928.   367924.   504839.        0.  1141631.
  7         76668.    33040.   834903.   729467.    37213.  1711292.
  8             0.        0.   742006.    30824.        0.   772830.
  9             0.        0.  4997868.   163142.   781725.  5942734.

 TOTAL    1193223.   157913. 34024908. 19716042.  4031477. 59123564.
--------------------
 DAILY VMT
FACILITY
    TYPE
____________________

     1   11878421.
     2   20641180.
     3    6113436.
     4    7239297.
     5    3682775.
     6    1141632.
     7    1711292.
     8     772830.
     9    5942735.

 TOTAL   59123664.
--------------------
 DAILY VMT
    AREA
    TYPE
____________________

     1    1193223.
     2     157913.
     3   34024908.
     4   19716042.
     5    4031477.

 TOTAL   59123664.
-------------------------------------------------------------------------------
 DAILY VMT
```

NUMBER LANES	
1	12988388.
2	19247994.
3	18672526.
4	4588516.
5	3402001.
6	224164.
TOTAL	59123664.

FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
- RUN TIME: 08:55:59 28OCT01

DAILY VEHICLE HOURS

INFO all reported values have been adjusted by EMISFAC = 0.9557

- -

DAILY VHT - GEOGRAPHIC LOCATION NO 1

INFO all reported values have been adjusted by EMISFAC = 0.9557

FT	1	2	3	4	5	TOTAL
	---------- AREA TYPES ----------					
1	11465.	2854.	1558265.	195354.	41642.	1809580.
2	18024.	392.	589448.	598370.	16993.	1223226.
3	11165.	122.	207515.	100016.	23011.	341829.
4	5094.	933.	256031.	87787.	36953.	386799.
5	5012.	296.	125815.	75582.	10708.	217412.
6	20662.	522.	20620.	34700.	0.	76504.
7	6940.	2552.	78587.	51345.	1618.	141041.
8	0.	0.	24364.	949.	0.	25313.
9	0.	0.	220354.	12662.	20966.	253982.
GL TOTAL	78361.	7670.	3080998.	1156764.	151891.	4475683.

```
 FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 08:55:59  28OCT01

 DAILY VEHICLE HOURS

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
DAILY VHT - ALL GEOGRAPHIC LOCATIONS
            ---------------- AREA TYPES -----------------
 FT             1         2         3         4         5     TOTAL
_____________________________________________________________________________

  1         11465.     2854.  1558265.   195354.    41642.  1809580.
  2         18024.      392.   589448.   598370.    16993.  1223226.
  3         11165.      122.   207515.   100016.    23011.   341829.
  4          5094.      933.   256031.    87787.    36953.   386799.
  5          5012.      296.   125815.    75582.    10708.   217412.
  6         20662.      522.    20620.    34700.        0.    76504.
  7          6940.     2552.    78587.    51345.     1618.   141041.
  8             0.        0.    24364.      949.        0.    25313.
  9             0.        0.   220354.    12662.    20966.   253982.

 TOTAL      78361.     7670.  3080998.  1156764.   151891.  4475683.
--------------------
 DAILY VHT
FACILITY
    TYPE
_____________________

     1    1809580.
     2    1223228.
     3     341828.
     4     386798.
     5     217412.
     6      76504.
     7     141041.
     8      25313.
     9     253982.

 TOTAL    4475691.
--------------------
 DAILY VHT
    AREA
    TYPE
_____________________

     1      78361.
     2       7670.
     3    3080998.
     4    1156764.
     5     151891.

 TOTAL    4475691.
--------------------
 DAILY VHT
```

NUMBER LANES	
1	814599.
2	1047838.
3	2252192.
4	239398.
5	115876.
6	5782.
TOTAL	4475691.

```
 FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 08:55:59  28OCT01

 AVERAGE CONGESTED SPEED (mph)

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
AVERAGE SPEED - GEOGRAPHIC LOCATION NO      1

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557
```

FT	1	2	3	4	5
	---------- AREA TYPES ----------				
1	33.42	31.57	4.12	24.02	7.14
2	11.34	23.09	17.82	15.47	39.35
3	13.54	21.58	16.93	16.77	33.41
4	13.91	12.30	17.76	17.21	29.71
5	9.15	12.49	16.69	15.27	35.47
6	12.63	15.20	17.84	14.55	0.00
7	11.05	12.95	10.62	14.21	23.00
8	0.00	0.00	30.46	32.47	0.00
9	0.00	0.00	22.68	12.88	37.29
GL TOTAL	15.23	20.59	11.04	17.04	26.54

```
 FLORIDA STANDARD URBAN TRANSPORTATION MODELING STRUCTURE --
 EMISSION MODEL FOR MOBILE 5.a -- PROGRAM DATE: 26MAR93
  -  RUN TIME: 08:55:59  28OCT01

 AVERAGE CONGESTED SPEED (mph)

 ***INFO*** all reported values have been adjusted by EMISFAC = 0.9557

 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
AVERAGE SPEED - ALL GEOGRAPHIC LOCATIONS
            ---------------- AREA TYPES -----------------
 FT             1         2         3         4         5
_____________________________________________________________________________

  1          33.42     31.57      4.12     24.02      7.14
  2          11.34     23.09     17.82     15.47     39.35
  3          13.54     21.58     16.93     16.77     33.41
  4          13.91     12.30     17.76     17.21     29.71
  5           9.15     12.49     16.69     15.27     35.47
  6          12.63     15.20     17.84     14.55      0.00
  7          11.05     12.95     10.62     14.21     23.00
  8           0.00      0.00     30.46     32.47      0.00
  9           0.00      0.00     22.68     12.88     37.29

 TOTAL       15.23     20.59     11.04     17.04     26.54
--------------------
 AVERAGE SPEED
FACILITY
    TYPE
____________________

     1        6.56
     2       16.87
     3       17.88
     4       18.72
     5       16.94
     6       14.92
     7       12.13
     8       30.53
     9       23.40

 TOTAL       13.21
--------------------
 AVERAGE SPEED
    AREA
    TYPE
____________________

     1       15.23
     2       20.59
     3       11.04
     4       17.04
     5       26.54

 TOTAL       13.21
--------------------
 AVERAGE SPEED
```

NUMBER LANES	
1	15.94
2	18.37
3	8.29
4	19.17
5	29.36
6	38.77
TOTAL	13.21

YEAR 2025 EMISSYN.25A

```
SCENARIO  1        MOBILE.TEM
THE FOLLOWING IS A MATRIX WHICH ASSIGNS A SCENARIO TO EACH FT/AT COMBINATION
AT=>     1     2     3     4     5
_____________________________________
FT |
 1 |     1     1     1     1     1
 2 |     1     1     1     1     1
 3 |     1     1     1     1     1
 4 |     1     1     1     1     1
 5 |     1     1     1     1     1
 6 |     1     1     1     1     1
 7 |     1     1     1     1     1
 8 |     1     1     1     1     1
 9 |     1     1     1     1     1
```

YEAR 2025 HEVAL.OUT

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   FLORIDA D.O.T.         Miami-Dade      2025 COST FEASIBLE PLAN
PAGE NO.     1
       FSUTMS                                    HIGHWAY ASSIGNMENT
DATE   27OCT01
      VER 5.40
TIME  00:44:09

 "HELABELS.SYN" CONTENTS:

          LABEL FT 11  1  1 FREEWAY  FREEWAY
          LABEL FT 12  1  1
          LABEL FT 15  1  1
          LABEL FT 16  1  1
          LABEL FT 17  1  1
          LABEL FT 21  2  2 D. ART   DIV. ARTERIAL
          LABEL FT 22  2  2
          LABEL FT 23  2  2
          LABEL FT 24  2  2
          LABEL FT 25  2  2
          LABEL FT 31  3  3 U. ART   UNDIV. ARTERIAL
          LABEL FT 32  3  3
          LABEL FT 33  3  3
          LABEL FT 34  3  3
          LABEL FT 35  3  3
          LABEL FT 36  3  3
          LABEL FT 37  3  3
          LABEL FT 38  3  3
          LABEL FT 41  4  4 COLLCTR  COLLECTOR
          LABEL FT 42  4  4
          LABEL FT 43  4  4
          LABEL FT 44  4  4
          LABEL FT 45  4  4
          LABEL FT 46  4  4
          LABEL FT 47  4  4
          LABEL FT 48  4  4
          LABEL FT 51  5  5 LOCAL    CENTROID CONN.
          LABEL FT 52  5  5
          LABEL FT 61  6  6 1 WAY    ONE WAY
          LABEL FT 62  6  6
          LABEL FT 63  6  6
          LABEL FT 64  6  6
          LABEL FT 65  6  6
          LABEL FT 66  6  6
          LABEL FT 67  6  6
          LABEL FT 68  6  6
          LABEL FT 71  7  7 RAMP     RAMPS
          LABEL FT 72  7  7
          LABEL FT 73  7  7
          LABEL FT 74  7  7
          LABEL FT 75  7  7
          LABEL FT 76  7  7
          LABEL FT 77  7  7
          LABEL FT 78  7  7
          LABEL FT 79  7  7
          LABEL FT 81  8  8 HOV      HOV
          LABEL FT 82  8  8
```

```
LABEL FT 83  8  8
LABEL FT 84  8  8
```

```
   FLORIDA D.O.T.         Miami-Dade      2025 COST FEASIBLE PLAN
PAGE NO.     2
       FSUTMS                                     HIGHWAY ASSIGNMENT
DATE   27OCT01
      VER 5.40
TIME  00:44:09

 "HELABELS.SYN" CONTENTS:

          LABEL FT 85  8  8
          LABEL FT 86  8  8
          LABEL FT 87  8  8
          LABEL FT 88  8  8
          LABEL FT 89  8  8
          LABEL FT 91  9  9 TOLL     TOLL
          LABEL FT 92  9  9
          LABEL FT 93  9  9
          LABEL FT 94  9  9
          LABEL FT 95  9  9
          LABEL FT 96  9  9
          LABEL FT 97  9  9
          LABEL FT 98  9  9
          LABEL FT 99  9  9
          LABEL AT 11  1  1 CBD      CBD
          LABEL AT 12  1  1
          LABEL AT 13  1  1
          LABEL AT 14  1  1
          LABEL AT 21  2  2 FRINGE   FRINGE
          LABEL AT 31  3  3 RESID.   RESIDENTIAL
          LABEL AT 32  3  3
          LABEL AT 33  3  3
          LABEL AT 34  3  3
          LABEL AT 41  4  4 OBD      OBD
          LABEL AT 42  4  4
          LABEL AT 43  4  4
          LABEL AT 44  4  4
          LABEL AT 51  5  5 RURAL    RURAL
          LABEL AT 52  5  5
```

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   FLORIDA D.O.T.         Miami-Dade      2025 COST FEASIBLE PLAN
PAGE NO.     3
       FSUTMS                                     HIGHWAY ASSIGNMENT
DATE   27OCT01
      VER 5.40
TIME  00:44:09
```

FACILITY TYPES SELECTED:

FACILITY TYPES SKIPPED:

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	

AREA TYPES SELECTED:

AREA TYPES SKIPPED:

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	

```
***    *** ********** ***    ***  ********  ***
***    *** ********** ***    *** ********** ***
***    *** ***         ***  ***  ***    *** ***
********** ******      ***  ***  ********** ***
********** ******       ******   ********** ***
***    *** ***           ****    ***    *** ***
***    *** **********    ****    ***    *** **********
***    *** **********     **     ***    *** **********
```

(CONTACT DATA MANAGER (BMMP) 904-488-4640 IF YOU HAVE QUESTIONS)

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****   *****   ****   ****  ****   *****  ****   *****  *****   ***   *   *
*   *  *      *      *      *   *    *    *   *    *      *    *  *  **  *
*   *  ****    ***   *      ****     *    ****     *      *    *  *  * * *
*   *  *          *  *      *  *     *    *        *      *    *  *  *  **
****   *****  ****    ****  *   *  *****  *        *    *****   ***   *   *
```

HEVAL MODULE (D5520931.DRIVER.SETUP.FORT(HEVAL))

A GENERAL PURPOSE HIGHWAY EVALUATION PROGRAM DESIGNED TO PROVIDE THE TRANSPORTATION PLANNER WITH A TOOL TO EVALUATE A HIGHWAY ASSIGNMENT. THE PROGRAM OPERATES IN TWO MODES. ONE MODE ALLOWS THE USER TO PRINT A VARIETY OF REPORTS DESIGNED TO ASSIST IN THE TASK OF MODEL VALIDATION. THIS MODE IS REFERRED TO INTERNALLY AS VALIDATION AND IS SET BY THE USER WITH A STATEMENT - "VALIDATE=T"
THE OTHER MODE IS AS AN ASSIGNMENT ANALYSIS TOOL. THIS MODE IS GENERALLY USED FOR ASSIGNMENTS TO FUTURE YEAR NETWORKS. THIS MODE IS SET BY THE USER WITH A STATEMENT "ANALYSIS=T".

INPUT DATA FOR THIS RUN:

USES HRLDXY FILE AS DATA SOURCE
RATES=1979 UROAD AND CUTS RATES

OUTPUT DATA SETS FOR THIS RUN:

PRINTOUT ONLY

DATE AND TIME OF THIS RUN:

27OCT01 (DDMMMYY) 00:44:10 (HH.MM.SS)

TYPE OF RUN:

ANALYSIS

```
 ***    ****   ****  *   *  *   *  ****   *****  *****   ***   *  *   ****
*   *  *      *      *   *  ** **  *   *    *      *    *   *  **  *  *
*****   ***    ***   *   *  * * *  ****     *      *    *   *  ** *   ***
*   *      *      *  *   *  *   *  *        *      *    *   *  * **      *
*   *  ****   ****    ***   *   *  *        *    *****   ***   *  *  ****
```

FACILITY AND AREA TYPES AS DEFINED IN THE HNET MODULE:

FACILITY TYPE 1 - FREEWAYS
FACILITY TYPE 2 - EXPRESSWAYS AND DIVIDED ARTERIALS
FACILITY TYPE 3 - UNDIVIDED ARTERIALS
FACILITY TYPE 4 - COLLECTORS
FACILITY TYPE 5 - LOCALS (CENTROID CONNECTORS) - NOT INCLUDED
FACILITY TYPE 6 - ONE WAYS
FACILITY TYPE 8 - HOV LINKS
FACILITY TYPE 9 - TOLL RAMPS

AREA TYPE 1 - CBD
AREA TYPE 2 - FRINGE
AREA TYPE 3 - RESIDENTIAL
AREA TYPE 4 - OBD
AREA TYPE 5 - RURAL

LANE VALUES REPORTED ARE TRUE LANE VALUES.

THE FOLLOWING RATES ARE USED IN THE VARIOUS CALCULATIONS:

```
ACCIDENT RATES: FREEWAYS  -  1.060 PER MILLION VEHICLE MILES
                ARTERIALS -  5.830 PER MILLION VEHICLE MILES
                LOCALS    -  8.630 PER MILLION VEHICLE MILES

INJURY RATES  : FREEWAYS  -  0.730 PER MILLION VEHICLE MILES
                ARTERIALS -  3.850 PER MILLION VEHICLE MILES
                LOCALS    -  3.490 PER MILLION VEHICLE MILES

FATALITY RATES: FREEWAYS  -  0.009 PER MILLION VEHICLE MILES
                ARTERIALS -  0.019 PER MILLION VEHICLE MILES
                LOCALS    -  0.018 PER MILLION VEHICLE MILES
```

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  ***    ****   ****  *   *  *   *  ****   *****  *****   ***   *  *   ****
 *   *  *      *      *   *  ** **  *   *    *      *    *   *  **  *  *
 *****   ***    ***   *   *  * * *  ****     *      *    *   *  ** *   ***
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 *   *  ****   ****    ***   *   *  *        *    *****   ***   *  *  ****
```

CARBON MONOXIDE EMISSIONS (GRAMS PER VEHICLE MILE)

SPEED	FT 1	FT 2	FT 3	FT 4	FT 5	FT 6	FT 7	FT 8	FT 9
LT 20	37.73	37.73	37.73	37.73	37.73	37.73	37.73	37.73	37.73
20 - 25	27.77	27.77	27.77	27.77	27.77	27.77	27.77	27.77	27.77
25 - 30	21.82	21.82	21.82	21.82	21.82	21.82	21.82	21.82	21.82
30 - 35	17.72	17.72	17.72	17.72	17.72	17.72	17.72	17.72	17.72
35 - 40	14.74	14.74	14.74	14.74	14.74	14.74	14.74	14.74	14.74
40 - 45	12.49	12.49	12.49	12.49	12.49	12.49	12.49	12.49	12.49
45 - 50	10.76	10.76	10.76	10.76	10.76	10.76	10.76	10.76	10.76
50 - 55	10.64	10.64	10.64	10.64	10.64	10.64	10.64	10.64	10.64
55 - 60	12.84	12.84	12.84	12.84	12.84	12.84	12.84	12.84	12.84
GE 60	17.23	17.23	17.23	17.23	17.23	17.23	17.23	17.23	17.23

HYDROCARBON EMISSIONS (GRAMS PER VEHICLE MILES)

SPEED	FT 1	FT 2	FT 3	FT 4	FT 5	FT 6	FT 7	FT 8	FT 9
LT 20	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
20 - 25	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73
25 - 30	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47
30 - 35	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29
35 - 40	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16

```
    ³ 40 - 45  ³   1.05     1.05     1.05     1.05     1.05     1.05     1.05
1.05     1.05 ³
    ³ 45 - 50  ³   0.97     0.97     0.97     0.97     0.97     0.97     0.97
0.97     0.97 ³
    ³ 50 - 55  ³   0.95     0.95     0.95     0.95     0.95     0.95     0.95
0.95     0.95 ³
    ³ 55 - 60  ³   0.98     0.98     0.98     0.98     0.98     0.98     0.98
0.98     0.98 ³
    ³  GE 60   ³   1.07     1.07     1.07     1.07     1.07     1.07     1.07
1.07     1.07 ³
    +----------+--------+--------+--------+--------+--------+--------+--------+-
-------+--------+
```

OXIDES OF NITROGEN EMISSIONS (GRAMS PER VEHICLE MILE)

```
    +----------+--------+--------+--------+--------+--------+--------+--------+-
-------+--------+
    ³  SPEED   ³  FT 1  ³  FT 2  ³  FT 3  ³  FT 4  ³  FT 5  ³ FT 6  ³  FT 7  ³
FT 8  ³  FT 9  ³
    +----------+--------+--------+--------+--------+--------+--------+--------+-
-------+--------+
    ³          ³
³
    ³  LT 20   ³   1.99     1.99     1.99     1.99     1.99     1.99     1.99
1.99     1.99 ³
    ³ 20 - 25  ³   1.89     1.89     1.89     1.89     1.89     1.89     1.89
1.89     1.89 ³
    ³ 25 - 30  ³   1.88     1.88     1.88     1.88     1.88     1.88     1.88
1.88     1.88 ³
    ³ 30 - 35  ³   1.89     1.89     1.89     1.89     1.89     1.89     1.89
1.89     1.89 ³
    ³ 35 - 40  ³   1.91     1.91     1.91     1.91     1.91     1.91     1.91
1.91     1.91 ³
    ³ 40 - 45  ³   1.94     1.94     1.94     1.94     1.94     1.94     1.94
1.94     1.94 ³
    ³ 45 - 50  ³   1.99     1.99     1.99     1.99     1.99     1.99     1.99
1.99     1.99 ³
    ³ 50 - 55  ³   2.25     2.25     2.25     2.25     2.25     2.25     2.25
2.25     2.25 ³
    ³ 55 - 60  ³   2.56     2.56     2.56     2.56     2.56     2.56     2.56
2.56     2.56 ³
    ³  GE 60   ³   2.92     2.92     2.92     2.92     2.92     2.92     2.92
2.92     2.92 ³
    +----------+--------+--------+--------+--------+--------+--------+--------+-
-------+--------+
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  ***    ****   ****  *   *  *   *  ****   *****  *****   ***   *  *   ****
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 *****   ***    ***   *   *  * * *  ****     *      *    *   *  ** *   ***
 *   *      *      *  *   *  *   *  *        *      *    *   *  * **      *
 *   *  ****   ****    ***   *   *  *        *    *****   ***   *  *  ****
```

FUEL USE (GALLONS PER MILE)

SPEED	FT 1	FT 2	FT 3	FT 4	FT 5	FT 6	FT 7	FT 8	FT 9
LT 20	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
20 - 25	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
25 - 30	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
30 - 35	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
35 - 40	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
40 - 45	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
45 - 50	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
50 - 55	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
55 - 60	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
60 - 65	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
GE 65	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06

EVAL USES CONSTRUCTION CODES TO CALCULATE NEW AND IMPROVED
LANE MILES AND CONSTRUCTION COSTS. THE CODE DEFINITIONS ARE:

CODE
1 - ADD 2 LANES, FT REMAINS SAME (ONE WAY - ADD 1 LANE)
2 - ADD 4 LANES, FT REMAINS SAME (ONE WAY - ADD 2 LANES)
3 - ADD 6 LANES, FT REMAINS SAME (ONE WAY - ADD 3 LANES)
4 - ADD 2 LANES, UPGRADE FT BY 1
5 - ADD 2 LANES, UPGRADE FT BY 2
6 - ADD 4 LANES, UPGRADE FT BY 1
7 - NEW CONSTRUCTION - 2 LANES (ONE WAY - 1 LANE)
8 - NEW CONSTRUCTION - 4 LANES (ONE WAY - 2 LANES)
9 - NEW CONSTRUCTION - 6 LANES (ONE WAY - 3 LANES)
0 - NO NEW CONSTRUCTION

CONSTRUCTION COST : THOUSAND DOLLARS PER MILE

CODE	FT 1	FT 2	FT 3	FT 4	FT 5	FT 6	FT 7	FT 8	FT 9
1	1901.00	1478.00	1267.00	1267.00	0.00	1267.00	1267.00	1901.00	1901.00
2	2628.00	2464.00	2217.00	2217.00	0.00	2217.00	2217.00	2628.00	2628.00
3	2713.00	2851.00	2534.00	2534.00	0.00	2534.00	2534.00	2713.00	2713.00
4	0.00	1478.00	1267.00	1267.00	0.00	1267.00	1267.00	0.00	0.00
5	0.00	0.00	1267.00	1267.00	0.00	1267.00	1267.00	0.00	0.00
6	0.00	2464.00	2217.00	2217.00	0.00	2217.00	2217.00	0.00	0.00
7	0.00	1267.00	1267.00	1267.00	0.00	1267.00	1267.00	0.00	0.00
8	2059.00	2112.00	1760.00	1760.00	0.00	1760.00	1760.00	2059.00	2059.00
9	2628.00	2464.00	2218.00	2218.00	0.00	2218.00	2218.00	2628.00	2628.00

FLORIDA D.O.T.
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FSUTMS Miami-Dade 2025 COST FEASIBLE PLAN
DATE 27OCT01
VER 5.40 Miami-dade
TIME 00:44:09

HIGHWAY EVALUATION -- YEAR/ALT (a25) -- REPORT: TOTAL SYSTEM MILES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	6.14	1.68	92.32	66.38	2.63	169.15
D. ART	5.75	0.47	274.24	208.92	18.43	507.81
U. ART	6.63	0.20	162.49	59.16	65.25	293.73
COLLCTR	7.23	0.85	352.31	86.96	137.12	584.47
1 WAY	21.04	1.18	24.41	33.20	0.00	79.83
RAMP	6.33	1.96	58.79	42.51	1.78	111.37
HOV	0.00	0.00	57.43	3.30	0.00	60.73
TOLL	0.00	0.00	135.06	4.37	26.48	165.91
Totals	53.12	6.34	1157.05	504.80	251.69	1973.00

FLORIDA D.O.T.
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FSUTMS Miami-Dade 2025 COST FEASIBLE PLAN
DATE 27OCT01
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TIME 00:44:09

HIGHWAY EVALUATION -- YEAR/ALT (a25) -- REPORT: TOTAL LANE MILES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	22.26	5.63	334.15	235.97	11.60	609.61
D. ART	26.05	2.32	1247.83	1043.52	82.38	2402.10
U. ART	22.76	0.40	428.24	205.94	148.46	805.80
COLLCTR	16.75	1.70	897.28	259.24	297.80	1472.77
1 WAY	48.41	2.55	60.21	83.19	0.00	194.36
RAMP	8.23	2.79	79.23	61.14	3.02	154.41
HOV	0.00	0.00	57.43	3.30	0.00	60.73
TOLL	0.00	0.00	335.23	10.14	74.70	420.07
Totals	144.46	15.39	3439.60	1902.44	617.96	6119.85

FLORIDA D.O.T.
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FSUTMS Miami-Dade 2025 COST FEASIBLE PLAN
DATE 27OCT01
VER 5.40 Miami-dade
TIME 00:44:09

HIGHWAY EVALUATION -- YEAR/ALT (a25) -- REPORT: TOTAL DIRECTIONAL SYSTEM MILES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	6.14	1.68	97.44	67.22	3.20	175.68
D. ART	11.50	0.94	548.48	417.84	36.86	1015.62
U. ART	13.22	0.40	324.98	118.32	130.50	587.42
COLLCTR	14.46	1.70	704.62	173.92	274.24	1168.94
1 WAY	21.04	1.18	24.41	33.20	0.00	79.83
RAMP	6.33	1.96	60.49	42.77	1.78	113.33
HOV	0.00	0.00	57.43	3.30	0.00	60.73
TOLL	0.00	0.00	135.47	4.37	26.48	166.32
Totals	72.69	7.86	1953.32	860.94	473.06	3367.87

FLORIDA D.O.T.
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FSUTMS Miami-Dade 2025 COST FEASIBLE PLAN
DATE 27OCT01
VER 5.40 Miami-dade
TIME 00:44:09

HIGHWAY EVALUATION -- YEAR/ALT (a25) -- REPORT: AVERAGE LINK LENGTH USING SYSTEM MILES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.17	0.14	0.34	0.34	0.29	0.32
D. ART	0.12	0.09	0.26	0.20	0.43	0.23
U. ART	0.09	0.10	0.27	0.20	0.67	0.28
COLLCTR	0.09	0.08	0.26	0.22	0.49	0.28
1 WAY	0.07	0.07	0.22	0.22	0.00	0.14
RAMP	0.09	0.10	0.12	0.10	0.16	0.11
HOV	0.00	0.00	0.18	0.16	0.00	0.18
TOLL	0.00	0.00	0.25	0.15	0.49	0.27
Totals	0.09	0.10	0.25	0.20	0.51	0.23

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FSUTMS Miami-Dade 2025 COST FEASIBLE PLAN
DATE 27OCT01
VER 5.40 Miami-dade
TIME 00:44:09

HIGHWAY EVALUATION -- YEAR/ALT (a25) -- REPORT: TOTAL VMT USING VOLUMES ON LINKS WITH CAPACITIES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	400974	94280	6713267	4909574	310914	12429009
D. ART	213964	9459	10991941	9682883	699736	21597982
U. ART	158209	2747	3676529	1754775	804549	6396809
COLLCTR	74162	12009	4759008	1580900	1148790	7574870
1 WAY	273035	8296	384979	528240	0	1194550
RAMP	80222	34571	873604	763281	38938	1790616
HOV	0	0	776401	32253	0	808654
TOLL	0	0	5229539	170704	817960	6218204
Totals	1200567	161362	33405268	19422610	3820888	58010692

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- REPORT: TOTAL VMT USING CAPACITY

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	429973	108776	6230277	4422203	209313	11400542
D. ART	214567	20539	10956373	8935056	1130596	21257132
U. ART	169522	2574	3186443	1577432	1832356	6768327
COLLCTR	97266	9794	5371213	1584710	1894584	8957567
1 WAY	388613	20472	569608	643642	0	1622335
RAMP	128668	42463	1199118	932906	37225	2340380
HOV	0	0	1174640	70650	0	1245290
TOLL	0	0	6194453	184717	1346631	7725801
Totals	1428609	204618	34882124	18351314	6450705	61317372

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- REPORT: RATIO OF VOLUME OVER CAPACITY
VMT

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.93	0.87	1.08	1.11	1.49	1.09
D. ART	1.00	0.46	1.00	1.08	0.62	1.02
U. ART	0.93	1.07	1.15	1.11	0.44	0.95
COLLCTR	0.76	1.23	0.89	1.00	0.61	0.85
1 WAY	0.70	0.41	0.68	0.82	0.00	0.74
RAMP	0.62	0.81	0.73	0.82	1.05	0.77
HOV	0.00	0.00	0.66	0.46	0.00	0.65
TOLL	0.00	0.00	0.84	0.92	0.61	0.80
Totals	0.84	0.79	0.96	1.06	0.59	0.95

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- REPORT: TOTAL VHT USING VOLUMES ON LINKS WITH CAPACITIES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	11997	2986	1630501	204410	43573	1893467
D. ART	18860	410	616773	626109	17780	1279932
U. ART	11682	127	217135	104653	24078	357675
COLLCTR	5330	977	267900	91857	38666	404730
1 WAY	21620	546	21576	36309	0	80051
RAMP	7261	2670	82230	53725	1693	147579
HOV	0	0	25493	993	0	26487
TOLL	0	0	230569	13249	21938	265756
Totals	76750	7716	3092179	1131305	147728	4455677

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- REPORT: TOTAL VHT USING CAPACITIES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	12603	3220	724757	165651	25581	931811
D. ART	16861	737	538367	517867	25480	1099312
U. ART	10820	119	163775	81483	46639	302836
COLLCTR	6201	718	252886	77315	53203	390323
1 WAY	28088	982	26457	39585	0	95113
RAMP	10631	2666	74684	54687	1457	144125
HOV	0	0	33417	1784	0	35202
TOLL	0	0	278650	9952	36544	325146
Totals	85205	8442	2092993	948325	188903	3323868

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- REPORT: RATIO OF VOLUME OVER CAPACITY
VHT

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.95	0.93	2.25	1.23	1.70	2.03
D. ART	1.12	0.56	1.15	1.21	0.70	1.16
U. ART	1.08	1.07	1.33	1.28	0.52	1.18
COLLCTR	0.86	1.36	1.06	1.19	0.73	1.04
1 WAY	0.77	0.56	0.82	0.92	0.00	0.84
RAMP	0.68	1.00	1.10	0.98	1.16	1.02
HOV	0.00	0.00	0.76	0.56	0.00	0.75
TOLL	0.00	0.00	0.83	1.33	0.60	0.82
Totals	0.90	0.91	1.48	1.19	0.78	1.34

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- REPORT: TOTAL VOLUME ON ALL LINKS WITH CAPACITIES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	2316327	688721	19270728	15049251	875255	38200280
D. ART	1925800	110647	42867252	49597636	1733310	96234640
U. ART	1688242	27318	14188565	9404073	1462900	26771096
COLLCTR	887526	149945	19098152	7229140	2800311	30165072
1 WAY	3824237	123336	1784555	2665430	0	8397558
RAMP	842293	349806	7082355	6951458	220976	15446886
HOV	0	0	3112327	134059	0	3246386
TOLL	0	0	15707870	545341	1258218	17511428
Totals	11484425	1449774	123111808	91576384	8350969	235973344

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- REPORT: TOTAL CAPACITIES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	2606966	772782	18367106	13211336	611695	35569888
D. ART	1951344	211696	41778048	44089828	2637644	90668552
U. ART	1774534	25740	11746671	8128723	3006096	24681764
COLLCTR	1114030	126742	21057684	7141176	4098928	33538560
1 WAY	5571723	283316	2593942	2905551	0	11354532
RAMP	1387944	392122	9563572	8841637	209542	20394816
HOV	0	0	6167223	427500	0	6594723
TOLL	0	0	19270504	675363	2046584	21992450
Totals	14406541	1812398	130544752	85421112	12610489	244795280

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- REPORT: RATIO OF VOLUME OVER CAPACITY

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.89	0.89	1.05	1.14	1.43	1.07
D. ART	0.99	0.52	1.03	1.12	0.66	1.06
U. ART	0.95	1.06	1.21	1.16	0.49	1.08
COLLCTR	0.80	1.18	0.91	1.01	0.68	0.90
1 WAY	0.69	0.44	0.69	0.92	0.00	0.74
RAMP	0.61	0.89	0.74	0.79	1.05	0.76
HOV	0.00	0.00	0.50	0.31	0.00	0.49
TOLL	0.00	0.00	0.82	0.81	0.61	0.80
Totals	0.80	0.80	0.94	1.07	0.66	0.96

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- REPORT: TOTAL VOLUME ON ALL LINKS

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	2316327	688721	19270728	15049251	875255	38200280
D. ART	1925800	110647	42867252	49597636	1733310	96234640
U. ART	1688242	27318	14188565	9404073	1462900	26771096
COLLCTR	887526	149945	19098152	7229140	2800311	30165072
1 WAY	3824237	123336	1784555	2665430	0	8397558
RAMP	842293	349806	7082355	6951458	220976	15446886
HOV	0	0	3112327	134059	0	3246386
TOLL	0	0	15707870	545341	1258218	17511428
Totals	11484425	1449774	123111808	91576384	8350969	235973344

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- REPORT: VOLUME PERCENTAGES ON ALL LINKS

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.98	0.29	8.17	6.38	0.37	16.19
D. ART	0.82	0.05	18.17	21.02	0.73	40.78
U. ART	0.72	0.01	6.01	3.99	0.62	11.34
COLLCTR	0.38	0.06	8.09	3.06	1.19	12.78
1 WAY	1.62	0.05	0.76	1.13	0.00	3.56
RAMP	0.36	0.15	3.00	2.95	0.09	6.55
HOV	0.00	0.00	1.32	0.06	0.00	1.38
TOLL	0.00	0.00	6.66	0.23	0.53	7.42
Totals	4.87	0.61	52.17	38.81	3.54	100.00

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- REPORT: AVERAGE TOTAL VOLUMES ON ALL LINKS

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	64342	57393	70331	76392	97251	72349
D. ART	38516	22129	40594	48294	40310	44124
U. ART	23778	13659	23967	31452	14928	25208
COLLCTR	10693	13631	14189	18489	10073	14303
1 WAY	13097	7709	15793	17770	0	14707
RAMP	12387	17490	14337	15551	20089	14853
HOV	0	0	9944	6384	0	9720
TOLL	0	0	29471	18805	23300	28428
Totals	19141	21966	26077	35758	16939	27956

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- REPORT: ORIGINAL SPEEDS (MPH)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	38.30	39.37	44.77	45.25	56.64	44.80
D. ART	22.85	31.69	34.56	32.78	49.81	33.98
U. ART	21.32	26.09	28.86	28.58	43.64	30.88
COLLCTR	18.85	21.70	27.65	29.02	42.47	30.14
1 WAY	19.59	25.56	29.96	26.27	0.00	24.96
RAMP	14.98	20.70	25.24	25.75	36.20	24.51
HOV	0.00	0.00	56.53	51.97	0.00	56.27
TOLL	0.00	0.00	46.06	46.25	55.72	47.39
Totals	20.49	25.62	31.50	31.37	43.92	32.36

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- REPORT: CONGESTED SPEEDS (MPH)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	34.14	31.50	7.84	26.39	8.93	11.29
D. ART	12.84	26.60	20.05	17.09	42.25	18.94
U. ART	15.03	21.62	18.27	18.47	38.86	20.65
COLLCTR	15.98	13.64	20.12	19.69	36.24	22.28
1 WAY	13.95	17.52	19.40	16.27	0.00	16.38
RAMP	11.91	13.23	15.07	15.11	22.07	14.90
HOV	0.00	0.00	34.73	39.92	0.00	34.98
TOLL	0.00	0.00	18.78	14.18	31.59	19.91
Totals	14.84	17.57	18.30	18.13	36.18	19.51

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- REPORT: PERCENT CHANGE IN SPEED

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	-10.84	-20.00	-82.48	-41.68	-84.24	-74.80
D. ART	-43.79	-16.04	-41.97	-47.88	-15.17	-44.24
U. ART	-29.51	-17.12	-36.70	-35.36	-10.95	-33.12
COLLCTR	-15.25	-37.17	-27.23	-32.16	-14.69	-26.07
1 WAY	-28.80	-31.44	-35.25	-38.05	0.00	-34.37
RAMP	-20.51	-36.11	-40.30	-41.33	-39.05	-39.21
HOV	0.00	0.00	-38.57	-23.19	0.00	-37.84
TOLL	0.00	0.00	-59.23	-69.34	-43.31	-57.99
Totals	-27.60	-31.41	-41.90	-42.21	-17.63	-39.71

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- REPORT: TOTAL VMT USING LINK VOLUMES (FSUTMS.V54+)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	400974	94280	6713267	4909574	310914	12429009
D. ART	213964	9459	10991941	9682883	699736	21597982
U. ART	158209	2747	3676529	1754775	804549	6396809
COLLCTR	74162	12009	4759008	1580900	1148790	7574870
1 WAY	273035	8296	384979	528240	0	1194550
RAMP	80222	34571	873604	763281	38938	1790616
HOV	0	0	776401	32253	0	808654
TOLL	0	0	5085981	170329	806943	6063252
Totals	1200567	161362	33261708	19422234	3809870	57855740

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- REPORT: TOTAL VHT (FREE-FLOW TIME)
USING LINK VOLUMES (FSUTMS.V54+)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	10466	2396	149230	106694	5483	274268
D. ART	9383	309	318870	294457	13800	636819
U. ART	7397	105	126299	60571	18689	213062
COLLCTR	3907	554	167427	53956	27086	252930
1 WAY	13912	316	12946	19667	0	46841
RAMP	5193	1639	33029	27437	1050	68347
HOV	0	0	13658	606	0	14264
TOLL	0	0	107973	3215	14045	125232
Totals	50258	5320	929431	566603	80152	1631765

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- REPORT: TOTAL VHT (CONGESTED TIME)
USING LINK VOLUMES (FSUTMS.V54+)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	11997	2986	1630501	204410	43573	1893467
D. ART	18860	410	616773	626109	17780	1279932
U. ART	11682	127	217135	104653	24078	357675
COLLCTR	5330	977	267900	91857	38666	404730
1 WAY	21620	546	21576	36309	0	80051
RAMP	7261	2670	82230	53725	1693	147579
HOV	0	0	25493	993	0	26487
TOLL	0	0	230569	13249	21938	265756
Totals	76750	7716	3092179	1131305	147728	4455677

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- REPORT: SPEEDS (FREE-FLOW TIME) USING LINK VOLUMES (FSUTMS.V54+)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	38.31	39.36	44.99	46.02	56.71	45.32
D. ART	22.80	30.60	34.47	32.88	50.71	33.92
U. ART	21.39	26.08	29.11	28.97	43.05	30.02
COLLCTR	18.98	21.66	28.42	29.30	42.41	29.95
1 WAY	19.63	26.21	29.74	26.86	0.00	25.50
RAMP	15.45	21.09	26.45	27.82	37.09	26.20
HOV	0.00	0.00	56.85	53.19	0.00	56.69
TOLL	0.00	0.00	47.10	52.98	57.46	48.42
Totals	23.89	30.33	35.79	34.28	47.53	35.46

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- REPORT: SPEEDS (CONGESTED TIME) USING LINK VOLUMES (FSUTMS.V54+)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	33.42	31.57	4.12	24.02	7.14	6.56
D. ART	11.34	23.09	17.82	15.47	39.35	16.87
U. ART	13.54	21.58	16.93	16.77	33.41	17.88
COLLCTR	13.91	12.30	17.76	17.21	29.71	18.72
1 WAY	12.63	15.20	17.84	14.55	0.00	14.92
RAMP	11.05	12.95	10.62	14.21	23.00	12.13
HOV	0.00	0.00	30.46	32.47	0.00	30.53
TOLL	0.00	0.00	22.06	12.86	36.78	22.82
Totals	15.64	20.91	10.76	17.17	25.79	12.98

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- REPORT: PERCENT CHANGE IN SPEED USING LINK VOLUMES (FSUTMS.V54+)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	-12.76	-19.78	-90.85	-47.80	-87.42	-85.52
D. ART	-50.25	-24.55	-48.30	-52.97	-22.39	-50.25
U. ART	-36.68	-17.25	-41.83	-42.12	-22.38	-40.43
COLLCTR	-26.70	-43.22	-37.50	-41.26	-29.95	-37.51
1 WAY	-35.65	-42.01	-40.00	-45.83	0.00	-41.49
RAMP	-28.49	-38.61	-59.83	-48.93	-37.97	-53.69
HOV	0.00	0.00	-46.43	-38.96	0.00	-46.15
TOLL	0.00	0.00	-53.17	-75.74	-35.98	-52.88
Totals	-34.52	-31.05	-69.94	-49.92	-45.74	-63.38

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- REPORT: TOTAL ACCIDENT OCCURENCES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.43	0.10	7.12	5.20	0.33	13.17
D. ART	1.25	0.06	64.08	56.45	4.08	125.92
U. ART	0.91	0.02	21.10	10.07	4.62	36.72
COLLCTR	0.39	0.06	25.18	8.36	6.08	40.07
1 WAY	1.57	0.05	2.21	3.03	0.00	6.86
RAMP	0.46	0.20	5.01	4.38	0.22	10.28
HOV	0.00	0.00	0.82	0.03	0.00	0.86
TOLL	0.00	0.00	5.54	0.18	0.87	6.59
Totals	5.00	0.48	131.07	87.72	16.19	240.46

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- REPORT: TOTAL INJURY OCCURENCES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.29	0.07	4.90	3.58	0.23	9.07
D. ART	0.82	0.04	42.32	37.28	2.69	83.15
U. ART	0.56	0.01	12.94	6.18	2.83	22.52
COLLCTR	0.23	0.04	14.85	4.93	3.58	23.63
1 WAY	0.96	0.03	1.36	1.86	0.00	4.20
RAMP	0.28	0.12	3.08	2.69	0.14	6.30
HOV	0.00	0.00	0.57	0.02	0.00	0.59
TOLL	0.00	0.00	3.82	0.12	0.60	4.54
Totals	3.15	0.30	83.82	56.67	10.07	154.01

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- REPORT: TOTAL FATALITY OCCURENCES

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	0.00	0.00	0.06	0.04	0.00	0.11
D. ART	0.00	0.00	0.21	0.18	0.01	0.41
U. ART	0.00	0.00	0.07	0.03	0.02	0.12
COLLCTR	0.00	0.00	0.08	0.03	0.02	0.13
1 WAY	0.01	0.00	0.01	0.01	0.00	0.02
RAMP	0.00	0.00	0.02	0.01	0.00	0.03
HOV	0.00	0.00	0.01	0.00	0.00	0.01
TOLL	0.00	0.00	0.05	0.00	0.01	0.06
Totals	0.02	0.00	0.50	0.31	0.06	0.89

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- REPORT: TOTAL EMISSIONS OF CARBON MONOXIDE (KILOGRAMS)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	6905	1736	138787	108623	11076	267126
D. ART	7736	253	324623	312649	9605	654867
U. ART	5666	76	115958	55928	14026	191655
COLLCTR	2795	444	140454	46868	21145	211706
1 WAY	9785	248	10579	18036	0	38648
RAMP	2951	1225	27891	23559	883	56508
HOV	0	0	14050	603	0	14653
TOLL	0	0	84268	3493	11108	98869
Totals	35837	3982	856609	569760	67843	1534033

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- REPORT: TOTAL EMISSIONS OF HYDROCARBONS (KILOGRAMS)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	508	126	9648	7406	678	18366
D. ART	473	16	20484	19432	774	41179
U. ART	347	5	7225	3472	1031	12080
COLLCTR	170	27	8842	2951	1516	13506
1 WAY	599	16	685	1110	0	2409
RAMP	180	75	1740	1478	60	3533
HOV	0	0	1010	42	0	1053
TOLL	0	0	6383	244	833	7461
Totals	2277	265	56017	36135	4892	99586

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- REPORT: TOTAL EMISSIONS OF OXIDES OF NITROGEN (KILOGRAMS)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	761	181	12899	9451	615	23906
D. ART	422	18	21217	18860	1450	41967
U. ART	312	5	7134	3405	1547	12402
COLLCTR	148	24	9165	3047	2191	14574
1 WAY	539	16	747	1034	0	2336
RAMP	159	68	1702	1482	75	3485
HOV	0	0	1586	66	0	1652
TOLL	0	0	10377	362	2075	12815
Totals	2340	312	64826	37707	7952	113137

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- REPORT: TOTAL FUEL USE (GALS)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	25093	5900	420116	307241	19457	777807
D. ART	13390	592	687875	605955	43789	1351601
U. ART	9901	172	230077	109814	50349	400312
COLLCTR	4641	752	297819	98933	71891	474035
1 WAY	17087	519	24092	33057	0	74755
RAMP	5020	2163	54670	47766	2437	112057
HOV	0	0	48587	2018	0	50606
TOLL	0	0	327265	10683	51188	389135
Totals	75131	10098	2090502	1215467	239111	3630309

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- REPORT: TOTAL NEW LANE MILEAGE

	CBD	FRINGE	RESID.	OBD	RURAL	Total
Totals	0	0	0	0	0	0

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- REPORT: TOTAL CONSTRUCTION COST (X $1000)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
Totals	0	0	0	0	0	0

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- REPORT: TOTAL DELAY DUE TO CONGESTION (VEH-HRS)

	CBD	FRINGE	RESID.	OBD	RURAL	Total
FREEWAY	1530.46	590.84	*********	97716.24	38090.03	*********
D. ART	9477.09	100.58	297902.94	331651.53	3980.54	643112.69
U. ART	4285.16	21.96	90836.09	44081.31	5388.26	144612.78
COLLCTR	1423.11	422.10	100472.94	37900.59	11580.88	151799.62
1 WAY	7707.58	229.26	8630.84	16641.67	0.00	33209.36
RAMP	2068.42	1030.77	49201.29	26288.84	642.64	79231.96
HOV	0.00	0.00	11835.52	386.98	0.00	12222.49
TOLL	0.00	0.00	122596.57	10034.39	7893.00	140523.95
Totals	26491.82	2395.52	*********	564701.56	67575.36	*********

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HIGHWAY EVALUATION -- YEAR/ALT (a25) : MILES OF ROADWAY AT EACH LEVEL OF SERVICE

	LEVEL OF SERVICE						
	A	B	C	D	E	F	TOTAL
FREEWAY	33.87	10.91	24.39	37.33	31.64	31.01	169.15
D. ART	93.20	77.81	103.67	80.66	69.61	82.87	507.81
U. ART	94.84	23.36	27.74	31.59	25.36	90.84	293.73
COLLCTR	274.10	58.33	55.22	47.99	49.77	99.05	584.47
1 WAY	45.91	12.10	10.73	4.34	2.89	3.86	79.83
RAMP	61.47	10.13	12.08	7.49	7.75	12.46	111.37
HOV	39.15	15.95	4.51	1.12	0.00	0.00	60.73
TOLL	86.39	20.83	13.94	21.67	15.86	7.22	165.91
Total	728.93	229.42	252.27	232.18	202.88	327.32	1973.00

HIGHWAY EVALUATION -- YEAR/ALT (a25) : PERCENT OF MILEAGE AT EACH LEVEL OF SERVICE

	LEVEL OF SERVICE						
	A	B	C	D	E	F	TOTAL
FREEWAY	1.72	0.55	1.24	1.89	1.60	1.57	8.57
D. ART	4.72	3.94	5.25	4.09	3.53	4.20	25.74
U. ART	4.81	1.18	1.41	1.60	1.29	4.60	14.89
COLLCTR	13.89	2.96	2.80	2.43	2.52	5.02	29.62
1 WAY	2.33	0.61	0.54	0.22	0.15	0.20	4.05
RAMP	3.12	0.51	0.61	0.38	0.39	0.63	5.64
HOV	1.98	0.81	0.23	0.06	0.00	0.00	3.08
TOLL	4.38	1.06	0.71	1.10	0.80	0.37	8.41
Total	36.95	11.63	12.79	11.77	10.28	16.59	100.00

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
1	2161	2516	36242.	36218.	1.00	23	31
1	2429	2431	16631.	54359.	0.31	92	51
1	2504	8497	21216.	12870.	1.65	37	31
1	2506	2507	37857.	34348.	1.10	24	31
1	2509	2510	69922.	51978.	1.35	24	31
1	2520	8494	56421.	51978.	1.09	24	31
1	2521	8494	60039.	51978.	1.16	24	31
1	2523	2524	14197.	11522.	1.23	45	31
1	2525	2526	21650.	24914.	0.87	44	31
1	2529	2580	8796.	11522.	0.76	45	31
1	2531	7437	16642.	9218.	1.81	47	31
1	2533	2592	23015.	13740.	1.68	36	31
1	2536	7793	59776.	51978.	1.15	24	42
1	2541	8775	128844.	72478.	1.78	12	51
1	2547	2712	22416.	18044.	1.24	23	31
1	2603	2604	34319.	63392.	0.54	21	51
1	2612	8780	17965.	54359.	0.33	92	51
1	2685	3316	71742.	54326.	1.32	23	31
1	3317	8497	21242.	12870.	1.65	37	31
1	3856	4985	153184.	55989.	2.74	12	31
1	4258	2541	128844.	72478.	1.78	12	51
1	4970	4975	0.	18750.	0.00	88	31
1	4995	3858	153195.	55989.	2.74	12	31
1	4998	5001	0.	18750.	0.00	87	31
1	5175	7750	45249.	55989.	0.81	92	31
1	5195	6887	48472.	55989.	0.87	92	31
1	8775	2430	128844.	72478.	1.78	12	51
1	8780	2500	17965.	54359.	0.33	92	51
1	TOTALS		1414683.	1152863.	1.23	SCREEN LINE	1

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
2	2170	6508	38651.	34348.	1.13	24	31
2	2427	2426	40166.	54359.	0.74	92	51
2	2458	9679	60651.	55989.	1.08	12	31
2	2491	5979	4259.	9218.	0.46	47	31
2	2859	2717	44931.	54359.	0.83	92	51
2	2971	4481	65155.	48260.	1.35	24	51
2	3175	3658	14885.	11522.	1.29	45	31
2	3574	7266	8123.	12108.	0.67	44	31
2	3781	5727	8268.	12870.	0.64	37	31
2	3788	5881	12707.	11522.	1.10	45	31
2	4053	4054	58393.	55989.	1.04	12	31
2	4056	4052	32053.	55989.	0.57	12	31
2	4250	7275	6754.	36218.	0.19	23	44
2	4273	4275	57283.	51978.	1.10	24	41
2	4620	7269	42421.	51978.	0.82	24	31
2	4754	7810	18997.	24914.	0.76	44	41
2	5082	5084	52925.	50544.	1.05	25	31
2	5083	7316	25878.	12108.	2.14	44	31
2	5349	5352	42949.	51978.	0.83	24	31
2	5582	7327	42314.	51978.	0.81	24	31
2	5726	5728	41680.	50544.	0.82	25	42
2	5879	5883	36169.	34348.	1.05	24	31
2	5976	5981	42881.	34348.	1.25	24	42
2	6074	6076	55490.	51978.	1.07	24	31
2	6153	6156	64131.	51978.	1.23	24	31
2	6199	7345	19735.	11522.	1.71	45	31
2	6251	8516	68468.	74478.	0.92	92	31
2	6252	7974	16863.	9218.	1.83	46	41
2	6253	6254	6906.	9218.	0.75	46	31
2	6307	6308	36028.	34348.	1.05	24	31
2	6337	6342	20882.	16086.	1.30	33	31
2	6384	6387	38775.	34348.	1.13	24	41
2	6452	6458	13793.	34348.	0.40	24	41
2	6456	7512	21466.	12870.	1.67	37	31
2	6556	6558	10956.	12500.	0.88	43	51
2	6607	6608	10602.	25000.	0.42	43	51
2	7808	7890	20841.	24914.	0.84	44	41
2	8516	9753	83377.	74478.	1.12	92	31
2	8517	9754	87676.	74478.	1.18	12	31
2	8619	8622	42702.	47120.	0.91	75	31
2	8620	8623	3155.	8239.	0.38	72	31
2	8622	8621	42702.	31413.	1.36	75	31
2	8623	8624	3155.	8239.	0.38	72	31
2	8624	8625	3155.	8239.	0.38	72	31

2	8625	8628	3155.	8239.	0.38	72	31
2	8626	8627	32359.	31413.	1.03	71	31
2	8627	8630	32359.	31413.	1.03	71	31
2	9678	2456	59083.	55989.	1.06	92	31
2	9679	8517	60651.	74478.	0.81	12	31
2	9753	9678	59083.	74478.	0.79	92	31
2	9754	8194	70844.	74478.	0.95	12	31
2	TOTALS		1786883.	1872969.	0.95	SCREEN LINE	2

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
3	2134	2139	22036.	22761.	0.97	64	43
3	2138	2133	22071.	22761.	0.97	64	43
3	2405	4249	29647.	54359.	0.55	92	51
3	2715	3138	37816.	34348.	1.10	24	31
3	2715	3139	16485.	34348.	0.48	24	44
3	2970	6069	23766.	34348.	0.69	24	31
3	2972	4277	19087.	12500.	1.53	43	51
3	2973	7381	20242.	32956.	0.61	41	31
3	2976	8381	9281.	9218.	1.01	46	31
3	2984	7825	23699.	25782.	0.92	37	31
3	2991	2992	11867.	16892.	0.70	24	31
3	2994	2997	33618.	34348.	0.98	24	31
3	3000	3651	18515.	18044.	1.03	23	31
3	3007	7593	59477.	51978.	1.14	24	41
3	3099	7825	27802.	25782.	1.08	37	31
3	3137	3138	43001.	51978.	0.83	24	41
3	3142	3143	46615.	34348.	1.36	24	41
3	3146	3147	52116.	51978.	1.00	24	41
3	3150	3628	32806.	34348.	0.96	24	31
3	3156	3157	21749.	31304.	0.69	42	31
3	3160	3161	8381.	11522.	0.73	45	31
3	3166	7404	36283.	51978.	0.70	24	31
3	3173	3174	14010.	11522.	1.22	45	31
3	3181	3182	11124.	12870.	0.86	37	31
3	3187	3297	27609.	25782.	1.07	37	31
3	3206	8097	18591.	17174.	1.08	32	41
3	3209	8096	36763.	34348.	1.07	24	41
3	3302	3303	48548.	34348.	1.41	24	31
3	3307	7414	3141.	9218.	0.34	46	31
3	3721	4277	54877.	54326.	1.01	23	41
3	3884	3889	93611.	74478.	1.26	12	31
3	3885	3883	91337.	74478.	1.23	12	31
3	4223	4220	92856.	93098.	1.00	12	41
3	4225	4219	95055.	74478.	1.28	12	41
3	4244	3205	34556.	54359.	0.64	92	51
3	4785	4793	19903.	22500.	0.88	81	31
3	4787	4780	20006.	22500.	0.89	81	31
3	TOTALS		1278345.	1313360.	0.97	SCREEN LINE 3	

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
4	2045	2040	74561.	55989.	1.33	12	31
4	2500	4329	17965.	55989.	0.32	92	31
4	2621	7439	34871.	34348.	1.02	24	31
4	2695	2429	16631.	55989.	0.30	92	31
4	2729	2732	23404.	24914.	0.94	44	31
4	2736	2737	71278.	55989.	1.27	12	31
4	2874	4235	31661.	32956.	0.96	41	31
4	2991	2994	16257.	13740.	1.18	36	31
4	3109	4221	55895.	43163.	1.29	24	41
4	3232	3234	54840.	50544.	1.08	25	41
4	3255	8505	23710.	12870.	1.84	37	31
4	3421	4206	66757.	51978.	1.28	24	41
4	3423	4197	66610.	51978.	1.28	24	44
4	3592	3594	24647.	24914.	0.99	44	44
4	3763	8505	23255.	12870.	1.81	37	31
4	4134	5996	45892.	34348.	1.34	24	31
4	4146	4163	46873.	37500.	1.25	12	31
4	4162	4144	40160.	37500.	1.07	12	31
4	4200	7656	21801.	12870.	1.69	37	44
4	4429	4773	39557.	51978.	0.76	24	44
4	4636	4637	45358.	51978.	0.87	24	44
4	4637	7875	70214.	51978.	1.35	24	41
4	4777	4783	10209.	11522.	0.89	45	41
4	4926	4928	49949.	34392.	1.45	32	41
4	4927	2291	83679.	55989.	1.49	12	41
4	5103	5104	65930.	51978.	1.27	24	41
4	5367	7385	50984.	34348.	1.48	24	41
4	5606	7390	44980.	33392.	1.35	25	41
4	5750	5751	66189.	50544.	1.31	25	41
4	5906	5908	49513.	34348.	1.44	24	31
4	6100	6101	44870.	50544.	0.89	25	41
4	7300	8071	44730.	34348.	1.30	24	41
4	8391	8392	7352.	16086.	0.46	41	41
4	TOTALS		1430582.	1263874.	1.13	SCREEN LINE 4	

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SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
5	2097	2103	13469.	22761.	0.59	64	43
5	2102	2097	13290.	22761.	0.58	64	43
5	2725	2730	18735.	32956.	0.57	41	44
5	3428	3429	40288.	51978.	0.78	24	44
5	3437	3439	29427.	12870.	2.29	37	44
5	3446	3447	15118.	24914.	0.61	44	41
5	3456	3457	52657.	51978.	1.01	24	41
5	3463	3464	13013.	22761.	0.57	64	41
5	3467	3466	8886.	22761.	0.39	64	41
5	3471	3472	25568.	25782.	0.99	37	41
5	3477	3478	36089.	34348.	1.05	24	31
5	3488	3489	27726.	34348.	0.81	24	41
5	3497	3498	29243.	34348.	0.85	24	41
5	3504	3506	48434.	51978.	0.93	24	31
5	3511	3512	28022.	34348.	0.82	24	31
5	3518	3519	15851.	32956.	0.48	41	31
5	3527	3528	34809.	33392.	1.04	25	41
5	3538	3539	9144.	11522.	0.79	45	31
5	3544	3546	33868.	34348.	0.99	24	31
5	3552	3553	29498.	31696.	0.93	34	41
5	3563	3564	44086.	34348.	1.28	24	41
5	3900	3907	96427.	74478.	1.29	12	31
5	3902	3897	96052.	74478.	1.29	12	31
5	4669	4685	19777.	22500.	0.88	81	31
5	4675	4665	20498.	22500.	0.91	81	31
5	6998	6999	67446.	51978.	1.30	24	41
5	TOTALS		867421.	905088.	0.96	SCREEN LINE 5	

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
6	2125	2115	72722.	55989.	1.30	12	41
6	2416	8742	39085.	34348.	1.14	24	41
6	2416	9199	37655.	32652.	1.15	33	41
6	2435	3626	20301.	55989.	0.36	92	31
6	2504	2506	7525.	9218.	0.82	46	31
6	2554	7210	41063.	36218.	1.13	23	31
6	2639	3610	12960.	11522.	1.12	45	31
6	2640	6864	53850.	51978.	1.04	24	31
6	2641	3595	12310.	11522.	1.07	45	31
6	2710	2437	20870.	55989.	0.37	92	31
6	2720	8742	38394.	34348.	1.12	24	41
6	2762	2766	73336.	55989.	1.31	12	41
6	2764	2768	9291.	15457.	0.60	67	41
6	2767	2763	8858.	15457.	0.57	67	41
6	3011	3014	14955.	12108.	1.24	44	41
6	3012	3018	45998.	34348.	1.34	24	41
6	3261	3262	52667.	34348.	1.53	24	31
6	3409	4802	27398.	13740.	1.99	36	41
6	3482	3484	21727.	11522.	1.89	45	41
6	3483	6980	54951.	34348.	1.60	24	41
6	3495	8240	17117.	12108.	1.41	44	31
6	3723	7387	15972.	11522.	1.39	45	41
6	3846	5782	18771.	23608.	0.80	45	31
6	3909	7137	75473.	55989.	1.35	12	41
6	4016	4019	80204.	55989.	1.43	12	31
6	4316	7453	23050.	34348.	0.67	24	44
6	4322	6956	43241.	55989.	0.77	12	31
6	4539	4541	50979.	32652.	1.56	33	41
6	4540	8955	43024.	32652.	1.32	33	41
6	4542	8956	59178.	32652.	1.81	33	41
6	4666	4667	21845.	16086.	1.36	33	41
6	4668	9200	37655.	32652.	1.15	33	41
6	4792	4797	42071.	34348.	1.22	24	41
6	4946	4018	80057.	55989.	1.43	12	31
6	5132	5133	48753.	34348.	1.42	24	41
6	5134	7499	47639.	34348.	1.39	24	41
6	5386	5387	50236.	33392.	1.50	25	41
6	5639	5643	37107.	23608.	1.57	45	12
6	5642	5644	39928.	33392.	1.20	25	12
6	5784	5786	42443.	33392.	1.27	25	41
6	5929	5936	39094.	23608.	1.66	45	41
6	5931	5933	47642.	50544.	0.94	25	41
6	6033	6034	31160.	13740.	2.27	36	31
6	6957	4321	54820.	55989.	0.98	12	31

6	7139	4671	79893.	55989.	1.43	12	41
6	8955	8956	51387.	32652.	1.57	33	41
6	9199	9200	37655.	32652.	1.15	33	41
6	TOTALS		1882310.	1561328.	1.21		

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
7	2004	7854	78247.	54326.	1.44	23	32
7	2039	2051	33492.	33392.	1.00	25	42
7	2041	2057	20233.	33392.	0.61	25	12
7	2042	2058	27465.	25044.	1.10	38	43
7	2323	5092	56785.	50544.	1.12	25	31
7	2335	2345	82643.	74478.	1.11	92	31
7	2389	5103	44908.	34348.	1.31	24	31
7	3984	3987	5485.	15707.	0.35	79	11
7	3986	3985	86465.	77174.	1.12	11	11
7	4482	4903	78194.	74478.	1.05	92	31
7	4908	5083	82396.	51978.	1.59	24	41
7	5002	5198	12168.	15707.	0.77	75	11
7	5003	5209	87114.	77174.	1.13	11	11
7	5013	5014	7680.	11522.	0.67	45	11
7	5020	7446	18124.	24478.	0.74	38	11
7	5026	5027	10247.	11522.	0.89	45	11
7	5034	5037	10289.	22174.	0.46	64	11
7	5048	5046	24609.	22174.	1.11	64	11
7	5059	5060	21778.	22174.	0.98	64	11
7	5071	5072	61975.	60086.	1.03	25	11
7	5106	8379	24281.	23608.	1.03	45	31
7	5113	5114	48167.	34348.	1.40	24	31
7	5122	5123	21388.	12870.	1.66	37	31
7	5131	5132	74044.	51978.	1.42	24	41
7	5140	5141	50144.	34348.	1.46	24	41
7	5147	5148	22603.	12870.	1.76	37	31
7	5153	5154	59731.	50544.	1.18	25	41
7	5159	5160	45969.	33392.	1.38	25	41
7	5164	5166	54972.	50544.	1.09	25	31
7	5170	5171	43522.	27130.	1.60	36	41
7	5173	5180	17376.	16086.	1.08	33	41
7	5176	5177	44205.	33392.	1.32	25	31
7	7729	8503	0.	18750.	0.00	98	31
7	8503	2462	0.	18750.	0.00	98	31
7	TOTALS		1356700.	1210482.	1.12		

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
8	2146	2149	47796.	51978.	0.92	24	43
8	2171	2803	80377.	55989.	1.44	12	31
8	2213	2214	27261.	31413.	0.87	75	31
8	2236	2242	27289.	31413.	0.87	79	31
8	2252	2928	29334.	24914.	1.18	44	31
8	2269	2244	4313.	15707.	0.27	75	31
8	2270	2271	60017.	55989.	1.07	12	31
8	2280	2281	64411.	55989.	1.15	12	31
8	2438	2475	6764.	55989.	0.12	92	31
8	2477	6895	8391.	55989.	0.15	92	31
8	2509	2513	40488.	36218.	1.12	23	31
8	2558	2561	71997.	54326.	1.33	23	31
8	2565	2669	15166.	11522.	1.32	45	31
8	2660	2664	56953.	51978.	1.10	24	31
8	2804	2172	86803.	55989.	1.55	12	31
8	2807	3713	9969.	13740.	0.73	36	31
8	2811	2812	37540.	34348.	1.09	24	31
8	2819	2820	17031.	9218.	1.85	46	31
8	2824	2949	17782.	12108.	1.47	44	31
8	2831	3709	15270.	12108.	1.26	44	31
8	2832	2953	11281.	9218.	1.22	46	31
8	2844	2960	43495.	34348.	1.27	24	41
8	2850	4404	69564.	63566.	1.09	24	41
8	3706	3707	15224.	11522.	1.32	45	31
8	4911	4913	11159.	22500.	0.50	81	31
8	5365	5375	7984.	22500.	0.35	81	31
8	8261	8262	12188.	11522.	1.06	45	31
8	TOTALS		895848.	902101.	0.99		

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
9	2295	2290	64106.	55989.	1.14	92	31
9	3749	7534	22121.	16086.	1.38	41	41
9	3798	5974	40528.	34348.	1.18	24	41
9	4152	4153	35299.	47120.	0.75	75	31
9	4494	5972	64517.	55989.	1.15	92	31
9	5956	6038	22272.	20544.	1.08	36	51
9	5958	7370	18312.	32956.	0.56	41	31
9	5959	7223	12551.	24914.	0.50	44	31
9	5962	7330	26025.	34348.	0.76	24	31
9	5963	6050	10708.	24914.	0.43	44	31
9	5966	6054	33070.	34348.	0.96	24	31
9	5969	6063	32174.	34348.	0.94	24	31
9	6078	7373	38818.	34348.	1.13	24	31
9	6092	6093	38023.	34348.	1.11	24	31
9	6110	7950	45759.	50544.	0.91	25	41
9	6112	6116	27743.	16086.	1.72	33	31
9	6120	6121	40521.	17174.	2.36	32	32
9	6126	6178	29434.	17174.	1.71	32	32
9	7893	8328	27273.	60218.	0.45	31	51
9	8224	4149	71253.	74478.	0.96	12	31
9	TOTALS		700505.	720274.	0.97		

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
10	2218	2912	43907.	36218.	1.21	23	31
10	2480	2293	41074.	55989.	0.73	92	31
10	2487	5198	12821.	11522.	1.11	45	31
10	2582	3857	88855.	51978.	1.71	24	31
10	2610	7400	14144.	11522.	1.23	45	31
10	2674	2676	79238.	51978.	1.52	24	31
10	2678	2679	51553.	34348.	1.50	24	41
10	2798	2804	70050.	55989.	1.25	12	41
10	2803	2797	63370.	55989.	1.13	12	41
10	2919	2921	9916.	11522.	0.86	45	31
10	2923	2927	14805.	9218.	1.61	46	31
10	3051	3054	19790.	27826.	0.71	64	31
10	3053	3050	19507.	27826.	0.70	64	31
10	3163	3167	53201.	32652.	1.63	33	31
10	3166	3168	44154.	51978.	0.85	24	31
10	3284	3286	52297.	33392.	1.57	25	31
10	3382	7397	44800.	25044.	1.79	38	31
10	3527	3531	30880.	25033.	1.23	38	41
10	3529	7406	16345.	11522.	1.42	45	41
10	3530	3526	18933.	22761.	0.83	64	31
10	3927	8426	78899.	55989.	1.41	12	31
10	3963	3989	79512.	58141.	1.37	11	41
10	3990	4989	74404.	58141.	1.28	11	41
10	4067	4070	21675.	38587.	0.56	11	41
10	4068	5833	22121.	38587.	0.57	11	41
10	4479	2479	40779.	55989.	0.73	92	31
10	4584	7403	36432.	32652.	1.12	33	31
10	4586	7401	50440.	34348.	1.47	24	41
10	4719	4722	12165.	15218.	0.80	34	41
10	4724	7840	31536.	32652.	0.97	33	41
10	4870	7841	25434.	23608.	1.08	45	41
10	4874	8063	27638.	34348.	0.80	24	41
10	4984	4991	18273.	12108.	1.51	44	31
10	4990	4996	3336.	11522.	0.29	45	41
10	5007	8065	3636.	15457.	0.24	63	31
10	5014	5006	7376.	15457.	0.48	63	11
10	5182	5183	29618.	32728.	0.90	33	41
10	5189	5201	12156.	22761.	0.53	64	31
10	5194	5204	1332.	15022.	0.09	64	21
10	5200	5188	10335.	15022.	0.69	64	31
10	5203	5192	1262.	15022.	0.08	64	21
10	5207	5196	1891.	15022.	0.13	64	21
10	5434	5439	17977.	22761.	0.79	64	41
10	5440	5437	17088.	22761.	0.75	64	31

10	5441	8020	19129.	22761.	0.84	64	41
10	5688	5689	35225.	34348.	1.03	24	31
10	5840	5844	16746.	16892.	0.99	24	31
10	5847	7377	31749.	34348.	0.92	24	31
10	8425	3925	79687.	55989.	1.42	12	31
10	TOTALS		1597489.	1502548.	1.06		

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HIGHWAY EVALUATION -- YEAR/ALT (a25) -- SCREENLINE SUMMARIES

SCREENLINE NUMBER	ANODE	BNODE	TOTAL VOLUME	TOTAL CAPACITY	VOLUME OVER CAPACITY RATIO	F T	A T
11	3669	6237	31319.	27392.	1.14	31	51
11	3811	6320	10265.	9218.	1.11	46	31
11	3814	6324	21532.	16086.	1.34	33	32
11	4336	6313	65903.	50544.	1.30	25	41
11	6244	7341	63396.	51978.	1.22	24	41
11	6253	6301	44358.	34348.	1.29	24	31
11	6299	8192	129475.	93098.	1.39	92	31
11	6326	6358	39935.	17174.	2.33	32	31
11	6329	7981	5955.	9218.	0.65	46	32
11	7986	7989	15665.	9218.	1.70	46	41
11	7995	7996	26970.	13740.	1.96	36	31
11	8193	2284	130818.	93098.	1.41	92	31
11	TOTALS		585592.	425112.	1.38		
12	2001	5331	3420.	54326.	0.06	23	44
12	2006	2007	75993.	54326.	1.40	23	32
12	2043	4473	16298.	32652.	0.50	33	31
12	2072	2074	129254.	111978.	1.15	12	31
12	2108	3569	50366.	51978.	0.97	24	31
12	2148	8175	52218.	63566.	0.82	24	43
12	2156	8154	30741.	111978.	0.27	17	31
12	3213	3214	25602.	34348.	0.75	24	31
12	5848	5849	51411.	54326.	0.95	23	32
12	TOTALS		435303.	569478.	0.76		
13	2155	8461	38868.	37500.	1.04	92	32
13	2452	8460	45654.	37500.	1.22	92	32
13	3666	6371	29253.	34392.	0.85	32	32
13	6364	6366	12763.	12500.	1.02	43	51
13	6367	6368	18903.	24696.	0.77	43	31
13	6371	7998	35683.	27130.	1.32	36	31
13	6433	8377	21287.	13740.	1.55	36	31
13	6489	7491	12149.	12260.	0.99	43	32
13	6492	6546	39778.	34348.	1.16	24	42
13	6501	6503	60397.	51978.	1.16	24	31
13	6558	6559	11826.	15326.	0.77	42	31
13	6562	6563	3735.	9218.	0.41	46	32
13	6568	6611	0.	12500.	0.00	43	51
13	8460	2120	45654.	37500.	1.22	92	32
13	8461	2454	38868.	37500.	1.04	92	32

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13        TOTALS      414816.    398088.       1.04


99        TOTALS   221326688. 230998848.       0.96 SCREEN LINE 99
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 ****  *****   ***   *****  *****   ****  *****  *****   ****   ****
*        *    *   *    *      *    *        *      *    *      *
 ***     *    *****    *      *     ***     *      *    *       ***
    *    *    *   *    *      *        *    *      *    *  *
****     *    *   *    *    *****  ****     *    *****   ****  ****
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TOTAL NUMBER OF LINKS	8441
TOTAL SYSTEM MILES	1973.00
TOTAL LANE MILES	6119.85
TOTAL DIRECTIONAL MILES	3367.87
TOTAL VMT USING VOLUMES	58010692
TOTAL VMT USING CAPACITY	61317372
TOTAL VMT V/C	0.95
TOTAL VHT USING VOLUMES	4455677
TOTAL VHT USING CAPACITY	3323868
TOTAL VHT V/C	1.34
TOTAL VOLUMES ALL LINKS	235973344
AVERAGE TOTAL VOLUME	27955.62
TOTAL VMT ALL LINKS	58010692
TOTAL VHT ALL LINKS	4455677
TOTAL ORIGINAL SPEED (MPH)	32.36
TOTAL CONGESTED SPEED (MPH)	19.51
TOTAL ACCIDENTS	240.46
TOTAL INJURIES	154.01
TOTAL FATALITIES	0.89
TOTAL CO EMISSIONS (KILOGRAMS)	1534033
TOTAL HC EMISSIONS (KILOGRAMS)	99586
TOTAL NO EMISSIONS (KILOGRAMS)	113137
TOTAL FUEL USE	3630309
TOTAL NEW LANE MILEAGE	0
TOTAL CONSTRUCTION COST (X $1000)	0

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TOTAL ACCIDENT COST (DOLLARS)              6104547

TOTAL USERS COST (DOLLARS)                23784312

TOTAL MAINTENANCE COST (DOLLARS)            796368

TOTAL DELAY DUE TO CONGESTION (VEH-HRS)    2823912.25
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YEAR 2025 MOBILE.25A

```
5          PROMPT - vertical flag input, no prompting (NLEV 2001)
MOBILE5a FDOT: MIAMI 2025 WITH FSUTMS.V54 (Includes NLEV Starting in 2001)
1          TAMFLG - default tampering rates
1          SPDFLG - one speed per scenario
1          VMFLAG - default vmt mix
1          MYMRFG - default registration and mileage accrual rates
2          NEWFLG - alternate exhaust emission rates
1          IMFLAG - without I/M program
1          ALHFLG - no additional correction factor inputs
1          ATPFLG - without anti-tampering program
5          RLFLAG - no refueling losses, treated as stationary source
2          LOCFLG - read in local area parameters as one time
1          TEMFLG - calculate exhaust temperatures
4          OUTFMT - 80 column portrait output format
4          PRTFLG - print exhaust HC, CO and NOx emission factor results
2          IDLFLG - Calculate & print idle emissions results (when available)
3          NMHFLG - print VOCs
3          HCFLAG - print HC components
004
1 7 3 90 90 05.639 00.000
1 7 3 91 97 04.598 00.000
1 7 3 98 03 03.679 00.000
1 7 3 04 20 01.840 00.000
MIAMI         FL C 69.3 91.2  9.2  7.8 92           LAP record
4 20  3.0 84.  20.6 27.3 20.6  7                    Scenario records
01 1 1
4 20  6.0 84.  20.6 27.3 20.6  7
01 1 1
4 20  9.0 84.  20.6 27.3 20.6  7
01 1 1
4 20 12.0 84.  20.6 27.3 20.6  7
01 1 1
4 20 15.0 84.  20.6 27.3 20.6  7
01 1 1
4 20 18.0 84.  20.6 27.3 20.6  7
01 1 1
4 20 21.0 84.  20.6 27.3 20.6  7
01 1 1
4 20 24.0 84.  20.6 27.3 20.6  7
01 1 1
4 20 27.0 84.  20.6 27.3 20.6  7
01 1 1
4 20 30.0 84.  20.6 27.3 20.6  7
01 1 1
4 20 33.0 84.  20.6 27.3 20.6  7
01 1 1
4 20 36.0 84.  20.6 27.3 20.6  7
01 1 1
4 20 39.0 84.  20.6 27.3 20.6  7
01 1 1
4 20 42.0 84.  20.6 27.3 20.6  7
01 1 1
4 20 45.0 84.  20.6 27.3 20.6  7
01 1 1
4 20 48.0 84.  20.6 27.3 20.6  7
01 1 1
4 20 51.0 84.  20.6 27.3 20.6  7
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01 1 1
4 20 54.0 84.  20.6 27.3 20.6  7
01 1 1
4 20 57.0 84.  20.6 27.3 20.6  7
01 1 1
4 20 60.0 84.  20.6 27.3 20.6  7
01 1 1
4 20 63.0 84.  20.6 27.3 20.6  7
01 1 1
4 20 65.0 84.  20.6 27.3 20.6  7
01 1 1
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YEAR 2025 NLEVSTD.D

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1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  1994 LDGV
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    95
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    96
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    97
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    98
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    99
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  2000
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    01
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    02
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    03
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    04
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    05
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  1994 LDGT1
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    95
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    96
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    97
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    98
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    99
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  2000
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    01
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    02
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    03
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    04
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    05
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  1994 LDGT2
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    95
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    96
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    97
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    98
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    99
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  2000
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    01
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    02
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    03
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    04
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    05
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  1994 LDGT3
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    95
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    96
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    97
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    98
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    99
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  2000
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    01
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    02
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    03
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    04
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    05
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  1994 LDGT4
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    95
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    96
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    97
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    98
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000    99
1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  2000
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    01
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    02
```

```
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    03
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    04
0.000 0.000 0.000 0.000 1.000 0.000 0.000 0.000    05
```

YEAR 2025 PROFILE.MAS

```
&TWODIGIT
YES
&VFACTORS
YES
&NAME                 NAME OF STUDY
Miami
&MOBILE               DIRECTORY WHERE MOBILE PARAMETER FILES ARE STORED
c:\fsutms.v54\
&IMFAC                INSPECTION/MAINTENANCE CREDIT PERCENTAGE FOR EMIS
0.00000
&EMISFAC              FACTOR TO ADJUST MODEL VMT TO MATCH HPMS TARGET VALUE
0.95570
&FSUTMS               DIRECTORY WHERE SCRIPT FILES ARE LOCATED
..\SCRIPT
&AVEZONE              NUMBER OF ZONES TO AVERAGE TO COMPUTE IZ DISTANCE
1
&TRANZONE             TRANSIT ACCESS ANALYSIS ZONE
642
&ZONESI               INTERNAL ZONES
1500
&ZONESX              FIRST EXTERNAL ZONE
1501
&ZONESA               TOTAL ZONES
1521
&VALIDATE
NO
&ANALYSIS
YES
&GLSELECT
0
&GLTITLE
Miami-dade
&SZONE                STARTING ZONE FOR CARDINAL DISTRIBUTION
1
&FZONE                ENDING ZONE FOR CARDINAL DISTRIBUTION
1500
&DISTRICT             NUMBER OF PLANNING DISTRICS
96
&SUPERDIST            NUMBER OF SUPER DISTRICTS
26
&CBDZONE              THE CBD ZONES
642
&SELDEST              SELECTED DESTINATION ZONES
1-1500
&TERM10               TERMINAL TIME FOR AREA TYPE
5
&TERM11               TERMINAL TIME FOR AREA TYPE
5
&TERM12               TERMINAL TIME FOR AREA TYPE
5
&TERM13               TERMINAL TIME FOR AREA TYPE
3
&TERM14               TERMINAL TIME FOR AREA TYPE
5
&TERM15               TERMINAL TIME FOR AREA TYPE
5
&TERM16               TERMINAL TIME FOR AREA TYPE
```

```
5
&TERM17              TERMINAL TIME FOR AREA TYPE
5
&TERM18              TERMINAL TIME FOR AREA TYPE
5
&TERM19              TERMINAL TIME FOR AREA TYPE
5
&TERM20              TERMINAL TIME FOR AREA TYPE
3
&TERM21              TERMINAL TIME FOR AREA TYPE
4
&TERM22              TERMINAL TIME FOR AREA TYPE
3
&TERM23              TERMINAL TIME FOR AREA TYPE
3
&TERM24              TERMINAL TIME FOR AREA TYPE
3
&TERM25              TERMINAL TIME FOR AREA TYPE
3
&TERM26              TERMINAL TIME FOR AREA TYPE
3
&TERM27              TERMINAL TIME FOR AREA TYPE
3
&TERM28              TERMINAL TIME FOR AREA TYPE
3
&TERM29              TERMINAL TIME FOR AREA TYPE
3
&TERM30              TERMINAL TIME FOR AREA TYPE
1
&TERM31              TERMINAL TIME FOR AREA TYPE
3
&TERM32              TERMINAL TIME FOR AREA TYPE
1
&TERM33              TERMINAL TIME FOR AREA TYPE
1
&TERM34              TERMINAL TIME FOR AREA TYPE
1
&TERM35              TERMINAL TIME FOR AREA TYPE
1
&TERM36              TERMINAL TIME FOR AREA TYPE
1
&TERM37              TERMINAL TIME FOR AREA TYPE
1
&TERM38              TERMINAL TIME FOR AREA TYPE
1
&TERM39              TERMINAL TIME FOR AREA TYPE
1
&TERM40              TERMINAL TIME FOR AREA TYPE
2
&TERM41              TERMINAL TIME FOR AREA TYPE
2
&TERM42              TERMINAL TIME FOR AREA TYPE
3
&TERM43              TERMINAL TIME FOR AREA TYPE
2
&TERM44              TERMINAL TIME FOR AREA TYPE
2
```

```
&TERM45              TERMINAL TIME FOR AREA TYPE
2
&TERM46              TERMINAL TIME FOR AREA TYPE
2
&TERM47              TERMINAL TIME FOR AREA TYPE
2
&TERM48              TERMINAL TIME FOR AREA TYPE
2
&TERM49              TERMINAL TIME FOR AREA TYPE
2
&TERM50              TERMINAL TIME FOR AREA TYPE
1
&TERM51              TERMINAL TIME FOR AREA TYPE
1
&TERM52              TERMINAL TIME FOR AREA TYPE
1
&TERM53              TERMINAL TIME FOR AREA TYPE
1
&TERM54              TERMINAL TIME FOR AREA TYPE
1
&TERM55              TERMINAL TIME FOR AREA TYPE
1
&TERM56              TERMINAL TIME FOR AREA TYPE
1
&TERM57              TERMINAL TIME FOR AREA TYPE
1
&TERM58              TERMINAL TIME FOR AREA TYPE
1
&TERM59              TERMINAL TIME FOR AREA TYPE
1
&NODES               MAXIMUM NUMBER OF NODES IN HWY NET
15000
&UNITS               UNITS PER MILE
5280
&CONFAC              FOR CAPACITY CONSTRAINT
0.10
&CAPFAC              FOR PLOTTING LOS E
0.10
&ITER                MAXIMUM EQUILIBRIUM ITERATIONS
25
&UROADF              UROAD CAPACITY FACTOR
0.75
&DAMPING             DAMPING FACTOR USED TO MINIMIZE TIME MODULATIONS BETWEEN
ITERATION
0.5
&BPRMAX
4.0
&EPS
0.10
&CTOLL               COEFFICIENT OF TOLL FACTOR USED IN TOLL MODEL
0.08
&TOLLS1              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.10
&TOLLS2              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.15
```

```
&TOLLS3              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.20
&TOLLS4              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.25
&TOLLS5              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.30
&TOLLS6              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.35
&TOLLS7              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
1.00
&TOLLS8              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.001
&TOLLS9              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS10             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS11             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS12             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS13             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS14             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS15             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS16             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS17             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS18             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS19             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&TOLLS20             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT1              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.10
```

```
&SERVT2              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.15
&SERVT3              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.20
&SERVT4              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.25
&SERVT5              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.30
&SERVT6              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.35
&SERVT7              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
1.00
&SERVT8              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.001
&SERVT9              NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT10             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT11             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT12             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT13             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT14             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT15             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT16             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT17             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT18             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT19             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
&SERVT20             NOT USED BUT KEEP IN PROFILE.MAS FOR MODEL STREAM
CONTINUITY
0.00
```

```
&MAXTIM
70
&ATITER              NUMBER OF GMODEL ITERATIONS
7
&AOFAC1              AUTO OCC FOR HBW
0.7936
&AOFAC2              AUTO OCC FOR HBSH
0.5747
&AOFAC3              AUTO OCC FOR HBSR
0.5747
&AOFAC4              AUTO OCC FOR HBO
0.5747
&AOFAC5              AUTO OCC FOR NHB
0.5917
&UNCONNECT           MAXIMUM TRANSIT TIME
255
&NUMFARE             MAXIMUM NUMBER OF FARE CATEGORES
8
&HOV                 SWITCH FOR HOV TYPE
TYPE1
&HOV1
HOV LINKS, LINK GROUP 2 = 80-89
&HOV2                IDENTIFIES WHICH HTTAB TRIPS SHOULD BE ASSIGNED
SELECTED PURPOSES = 1-2
&HOV3                FOR PLOTTING AND REPORTING, ADD LOV AND HOV TRIPS TOGETHER
ADD PURPOSES = 1-2
&PERIOD
24
&PLOTTER
HP7586
&PLOTPENS
8
&PLOTSIZE
30
&PAPER
NORMALD
&PLOTFAC
600
&DATA
DATA
&PLOTWIN
PLOTXY.STD
&PLOTWINA
PLOTXYA.STD
&PLOTWINB
PLOTXYB.STD
&PLOTWINC
PLOTXYC.STD
&PLOTWIND
PLOTXYD.STD
&PLOTWINE
PLOTXYE.STD
&PLOTWINF
PLOTXYF.STD
&PLOTWING
PLOTXYG.STD
&PLOTWINH
```

```
PLOTXYH.STD
&CHARHT
0.05
&NAMEB
SOUTH DADE (B)
&NAMEM
MIC/INTERCON (M)
&NAMEP
NORTH/BEACH CORR  (P)
&NAMEQ
EAST/WEST CORRIDOR(Q)
&NAMER
DOWNTOWN MIAMI    (R)
&NAMES
KENDALL/SOUTH CORR(S)
&NAMET
WEST CENTRAL AREA (T)
&NAMEU
NW/PALMETTO CORR  (U)
&NAMEV
I95/NORTH CORRIDOR(V)
&NAMEZ
SUNPIKE/27TH AVE  (Z)
&NAME1
SW (1)
&NAME2
NW (2)
&NAME3
NE (3)
&NAME4
SE (4)
&MAXUTIL
0.75
&QUEMAX
100
&QUELIM
4.9
&NUMFARE
9
&TOLLFM
TOLL FACILITIES MODEL
&MULTSQ
MULTIPLE SERVER QUEUES
&ACCUQT              FLAG FOR USING TOLL FACILTIES MODEL
~ ACCUMULATE QUEUEING TIME
&GMTIME
TIME2
&CITYCODE
MIA
&TITLE
1999 MTPM
&MAXD                Maximum sidewalk area around stations
0.4
&TERM                Auto access terminal time (home end)
2.0
&DEF                 Default auto access time
2.0
```

```
&NOPT                 Usage check on second auto connector
1
&BACK                 Backtrack flag for auto connector
1
&AOC                  Auto operating costs
9.5
&OC3                  Average 3+ auto occupancy
3.20  3.20  3.20  3.20  3.20
&OCTA                 Average park/ride auto occupancy
1.2  1.2  1.2
&TASPD                Average auto access speed
26.0  26.0
&MINRUN1              Minimum walk-to-local run time
3.0
&MINRUN2              Minimum walk-to-premium run time
3.0
&MINRUN3              Minimum auto-to-local run time
30.0
&MINRUN4              Minimum auto-to-premium run time
6.0
&INFL1                Transit fare inflation
1.0
&INFL2                Auto operating cost inflation
1.0
&INFL3                Parking cost inflation
1.0
&MSMIN                Minimum mode split
0.01  0.01  0.01
&HOVUSE               HOV usage flag
2
&HOVMIN               HOV minimum time
3.0
&RAILAC               Station walk access impedance flag
0
&VAL                  Validation summary flag
0
&KRFAC                Kiss/ride additional impedance factor
1.50
&JITNEY               Jitney flag (0=none, 1=base, 2=alt)
1
&VERS                 Model Version (1=standard FSUTMS, 2=Orlando 10 purposes)
1
&DEFMS                Default Regional Mode Splits
0.07770  0.02970  0.02970
&DEFUPD               Update Zonal Default Mode Splits (1=yes, 2=no)
1
&MAXTIM
70
&TRIZONE              TRI RAIL EXTERNAL ZONE
1467
&MAXTIME
120
&ROTANG
270
&PORTRAIT
0
&LANDSCAPE
```

```
0
&ROTANGW

&PLT
plt
&ASCII
YES
&DATABASE             Optional entry to enable database capability
NO
&DBCOUT               When activated, writes database files for TASSIGN
 DBC OUTPUT, INET
&MINUROADFAC          Specifies minimum UROAD factor allowed   (Optional)
0.50
&MAXUROADFAC          Specifies maximum UROAD factor allowed
1.00
&MINCONFAC            Specifies minimum CONFAC factor allowed
0.04
&MAXCONFAC            Specifies maximum CONFAC factor allowed
1.00
&MINBPRCOEFF          Specifies minimum BPR coefficient allowed
0.0
&MAXBPRCOEFF          Specifies maximum BPR coefficient allowed
1.00
&MINBPREXP            Specifies minimum BPR exponent allowed
1.00
&MAXBPREXP            Specifies maximum BPR exponent allowed
10.00
&EMISTABLES           Tables on HTTAB file for intrazonal emissions (default =
1)
1
&ASCII                Outputs file HRLDXY.ASC (similar to NETCARD output)
YES
&VFACTORS             Required entry.  YES must start in column one
YES
&DATABASE             Optional entry to enable database capability
NO
&DBCOUT               When activated, writes database files for TASSIGN
~ DBC OUTPUT, INET
&MINUROADFAC          Specifies minimum UROAD factor allowed   (Optional)
0.50
&MAXUROADFAC          Specifies maximum UROAD factor allowed
1.00
&MINCONFAC            Specifies minimum CONFAC factor allowed
0.04
&MAXCONFAC            Specifies maximum CONFAC factor allowed
1.00
&MINBPRCOEFF          Specifies minimum BPR coefficient allowed
0.0
&MAXBPRCOEFF          Specifies maximum BPR coefficient allowed
1.00
&MINBPREXP            Specifies minimum BPR exponent allowed
1.00
&MAXBPREXP            Specifies maximum BPR exponent allowed
10.00
&EMISTABLES           Tables on HTTAB file for intrazonal emissions (default =
1)
1
```

```
&ASCII                 Outputs file HRLDXY.ASC (similar to NETCARD output)
YES
&MODELCAP
~ MODEL CAPACITY
&COLORS
1,2,3,4,5,6,7,8
&ACTC                REPORT TRANSIT TRIPS=0 for CENTERS, 1 FOR TAZs
1
&KTHROW              ACTIVITY CENTER TEMP FILES, 1=KEEP, 0=DELETE
1
&STDZ2               STANDARD FSUTMSZ2, 1=TRUE, 0=RTA
1
&SELZONE             SELECTED TAZ
1506
&DTBZERO
7000
```

Appendix K

Mobile5a Information Sheet 8 Credit Calculation for Tier II Fuels

TABLE 5
Adjustments to Mobile5a NOx and VOC Emissions based on Fact Sheet 8
Year of Analysis = 2005

INPUTS	VALUE
County	**Miami-Dade**
Model Year	**2005**
Budget NOx (TPD)	**111.82**
Budget VOC (TPD)	**148.77**
Model Output Total VMT	**44,052,668**
EMIS Output NOx (TPD)	**99.07**
EMIS Output VOC (TPD)	**86.87**

	VMT ACCUMULATIONS BY VEHICLE TYPE (MOBILE 5A FRACTIONS FOR 2005)								
VARIABLES	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	TOTAL
Proportion of VMT by Vehicle Type	60.0%	19.7%	8.7%	3.1%	0.2%	0.2%	7.5%	0.6%	100.0%
VMT By Vehicle Type	26,431,601	8,678,376	3,832,582	1,365,633	88,105	88,105	3,303,950	264,316	44,052,668
NOx credit / mile[a]	0.241	0.220	0.227	0.468	0.000	0.220	0.000	0.000	0.223
NOx credit in gms[a]	6,370,016	1,909,243	869,996	639,116	-	19,383	-	-	9,807,754
VOC credit / mile[a]	0.046	0.059	0.096	0.100	0.000	0.124	0.000	0.000	0.051
VOC credit in gms[a]	1,215,854	512,024	367,928	136,563	-	10,925	-	-	2,243,294

OUTPUTS	VALUE	BUDGET	STATUS
NOx total in TPD	**88.27**	111.82	Under
VOC total in TPD	**84.40**	148.77	Under
Percent NOx reduction	**-10.9%**		
Percent VOC reduction	**-2.8%**		

[a] Credits based on Fact Sheet 8 -- Tier 2 fuels

TABLE 5
Adjustments to Mobile5a NOx and VOC Emissions based on Fact Sheet 8
Year of Analysis = 2010

INPUTS	VALUE
County	**Miami-Dade**
Model Year	**2010**
Budget NOx (TPD)	**111.82**
Budget VOC (TPD)	**148.77**
Model Output Total VMT	**46,998,192**
EMIS Output NOx (TPD)	**93.80**
EMIS Output VOC (TPD)	**86.87**

	VMT ACCUMULATIONS BY VEHICLE TYPE (MOBILE 5A FRACTIONS FOR 2005)								
VARIABLES	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	TOTAL
Proportion of VMT by Vehicle Type	58.9%	20.1%	8.8%	3.2%	0.2%	0.3%	8.0%	0.5%	100.0%
VMT By Vehicle Type	27,681,935	9,446,637	4,135,841	1,503,942	93,996	140,995	3,759,855	234,991	46,998,192
NOx credit / mile[a]	0.405	0.409	0.581	0.389	0.000	0.709	0.000	0.000	0.386
NOx credit in gms[a]	11,211,184	3,863,674	2,402,924	585,033	-	99,965	-	-	18,162,780
VOC credit / mile[a]	0.048	0.053	0.165	0.055	0.000	0.381	0.000	0.000	0.056
VOC credit in gms[a]	1,328,733	500,672	682,414	82,717	-	53,719	-	-	2,648,254

OUTPUTS	VALUE	BUDGET	STATUS
NOx total in TPD	**73.80**	111.82	Under
VOC total in TPD	**83.95**	148.77	Under
Percent NOx reduction	**-21.3%**		
Percent VOC reduction	**-3.4%**		

[a] Credits based on Fact Sheet 8 -- Tier 2 fuels

TABLE 5
Adjustments to Mobile5a NOx and VOC Emissions based on Fact Sheet 8
Year of Analysis = 2015

INPUTS	VALUE
County	**Miami-Dade**
Model Year	**2015**
Budget NOx (TPD)	**111.82**
Budget VOC (TPD)	**148.77**
Model Output Total VMT	**49,927,880**
EMIS Output NOx (TPD)	**93.26**
EMIS Output VOC (TPD)	**92.22**

	VMT ACCUMULATIONS BY VEHICLE TYPE (MOBILE 5A FRACTIONS FOR 2005)								
VARIABLES	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	TOTAL
Proportion of VMT by Vehicle Type	58.1%	20.4%	8.9%	3.3%	0.2%	0.4%	8.3%	0.4%	100.0%
VMT By Vehicle Type	29,008,098	10,185,288	4,443,581	1,647,620	99,856	199,712	4,144,014	199,712	49,927,880
NOx credit / mile[a]	0.526	0.548	0.841	0.350	0.000	0.903	0.000	0.000	0.507
NOx credit in gms[a]	15,258,260	5,581,538	3,737,052	576,667	-	180,340	-	-	25,333,856
VOC credit / mile[a]	0.051	0.059	0.241	0.038	0.000	0.488	0.000	0.000	0.066
VOC credit in gms[a]	1,479,413	600,932	1,070,903	62,610	-	97,459	-	-	3,311,317

OUTPUTS	VALUE	BUDGET	STATUS
NOx total in TPD	**65.36**	111.82	Under
VOC total in TPD	**88.57**	148.77	Under
Percent NOx reduction	**-29.9%**		
Percent VOC reduction	**-4.0%**		

[a] Credits based on Fact Sheet 8 -- Tier 2 fuels

TABLE 5
Adjustments to Mobile5a NOx and VOC Emissions based on Fact Sheet 8
Year of Analysis = 2020

INPUTS	VALUE
County	**Miami-Dade**
Model Year	**2020**
Budget NOx (TPD)	**111.82**
Budget VOC (TPD)	**148.77**
Model Output Total VMT	**54,514,160**
EMIS Output NOx (TPD)	**99.02**
EMIS Output VOC (TPD)	**101.84**

	VMT ACCUMULATIONS BY VEHICLE TYPE (MOBILE 5A FRACTIONS FOR 2005)								
VARIABLES	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	TOTAL
Proportion of VMT by Vehicle Type	57.5%	20.7%	8.9%	3.4%	0.2%	0.5%	8.4%	0.4%	100.0%
VMT By Vehicle Type	31,345,642	11,284,431	4,851,760	1,853,481	109,028	272,571	4,579,189	218,057	54,514,160
NOx credit / mile[a]	0.572	0.599	0.986	0.333	0.000	0.949	0.000	0.000	0.557
NOx credit in gms[a]	17,929,707	6,759,374	4,783,836	617,209	-	258,670	-	-	30,348,796
VOC credit / mile[a]	0.057	0.063	0.290	0.032	0.000	0.524	0.000	0.000	0.075
VOC credit in gms[a]	1,786,702	710,919	1,407,010	59,311	-	142,827	-	-	4,106,770

OUTPUTS	VALUE	BUDGET	STATUS
NOx total in TPD	**65.60**	111.82	Under
VOC total in TPD	**97.32**	148.77	Under
Percent NOx reduction	**-33.8%**		
Percent VOC reduction	**-4.4%**		

[a] Credits based on Fact Sheet 8 -- Tier 2 fuels

TABLE 5
Adjustments to Mobile5a NOx and VOC Emissions based on Fact Sheet 8
Year of Analysis = 2025

INPUTS	VALUE
County	**Miami-Dade**
Model Year	**2020**
Budget NOx (TPD)	**111.82**
Budget VOC (TPD)	**148.77**
Model Output Total VMT	**59,123,664**
EMIS Output NOx (TPD)	**107.65**
EMIS Output VOC (TPD)	**115.53**

	VMT ACCUMULATIONS BY VEHICLE TYPE (MOBILE 5A FRACTIONS FOR 2005)								
VARIABLES	LDGV	LDGT1	LDGT2	HDGV	LDDV	LDDT	HDDV	MC	TOTAL
Proportion of VMT by Vehicle Type	57.5%	20.7%	8.9%	3.4%	0.2%	0.5%	8.4%	0.4%	100.0%
VMT By Vehicle Type	33,996,107	12,238,598	5,262,006	2,010,205	118,247	295,618	4,966,388	236,495	59,123,664
NOx credit / mile[a]	0.588	0.616	1.064	0.324	0.000	0.952	0.000	0.000	0.576
NOx credit in gms[a]	19,989,711	7,538,977	5,598,774	651,306	-	281,429	-	-	34,060,197
VOC credit / mile[a]	0.059	0.065	0.317	0.018	0.000	0.533	0.000	0.000	0.079
VOC credit in gms[a]	2,005,770	795,509	1,668,056	36,184	-	157,565	-	-	4,663,083

OUTPUTS	VALUE	BUDGET	STATUS
NOx total in TPD	**70.14**	111.82	Under
VOC total in TPD	**110.39**	148.77	Under
Percent NOx reduction	**-34.8%**		
Percent VOC reduction	**-4.4%**		

[a] Credits based on Fact Sheet 8 -- Tier 2 fuels

Appendix L

Letter from FHWA/FTA Approving Previous CDR

Federal Highway Administration
Florida Division Office
227 N. Bronough Street, Suite 2015
Tallahassee, Florida 32301
(850) 942-9650
www.fhwa.dot.gov/fldiv

Federal Transit Administration
Region 4 Office
61 Forsyth Street, S.W., Suite 17T50
Atlanta, Georgia 30303
(404) 562-3500

September 28, 2001

OCT 2001
POLICY PLANNING
RECEIVED

Mr. Thomas F. Barry
Secretary of Transportation
Florida Department of Transportation
605 Suwannee Street
Tallahassee, Florida 32399-0450

Dear Mr. Barry:

Subject: Fiscal Year (FY) 2002 Statewide Transportation Improvement Program (STIP)

The following is in response to the Department's letters dated August 31, 2001 and September 17, 2001, which transmitted for our review the FY 2001/02 – 2005/06 Transportation Improvement Programs (TIPs) for Florida's 25 Metropolitan Planning Organizations (MPOs) and Florida's FY 2002 STIP, respectively. Our various metropolitan and statewide planning process findings and actions are summarized below:

1. **Metropolitan Transportation Planning Processes, TIPs and Transportation Conformity Determinations on Florida's One-Hour Ozone "Maintenance Area" TIPs:**

   Based upon our review of the annual "self-certification" statements jointly developed between each of the MPOs and the Department and our joint certification reviews of Transportation Management Areas during 2001, we hereby determine that the FY 2001/02 – 2005/06 TIPs developed and adopted by each of Florida's 25 MPOs are based on continuing, comprehensive planning processes carried on cooperatively by the respective MPOs, local/regional transit service providers and the Department. We also hereby conclude that the content and elements of each of the TIPs generally satisfy the requirements of 23 U.S.C. 134, 49 U.S.C. 5303, 23 CFR Part 450 (Subpart C) and 49 CFR Part 613 (Subpart C).

Also, for the FY 2001/02 – 2005/06 TIPs developed and adopted by Florida's six one-hour ozone "maintenance area" MPOs (Miami-Dade, Broward County, Palm Beach County, First Coast, Hillsborough County and Pinellas County), conformity determinations must be issued by FHWA/FTA, in cooperation with the Regional Office of the U.S. Environmental Protection Agency (EPA). We hereby issue the FHWA/FTA conformity determinations on each of these FY 2001/02 – 2005/06 TIPs, pursuant to the transportation conformity requirements of Section 176(c) of the 1990 Clean Air Act Amendments and 40 CFR Parts 51 and 93. We would like to commend the Broward County and First Coast MPOs for their documentation of the conformity process. Broward County MPO has done an excellent job of allowing the reader to reconcile projects in the TIP and LRTP. The First Coast MPO has done an excellent job of making its Conformity Determination Report easy to read and follow.

2. **Statewide Transportation Planning Process and the STIP:**

23 U.S.C. 135(f)(4) and 23 CFR 450.220(b) require that the FHWA/FTA approval of the STIP include a finding that the process from which the STIP was developed is consistent with the provisions of 23 U.S.C. 134 and 135 and 49 U.S.C. 5303 – 5305. Since 1995, an "annual assessment" of various aspects of the statewide transportation planning process has been a key source of information in supporting this FHWA/FTA statewide planning finding. On September 4, 2001, a meeting was conducted with various members of your staff to discuss Florida's statewide transportation planning process.

Enclosed for your reference and information is a copy of the summary report that concludes that the statewide transportation planning process generally satisfies the above requirements. The report identifies the following recommendations for action by the Department:

- Complete and distribute information to Florida's MPOs regarding projects for which Federal funds have been obligated in the preceding year;
- Work with districts and MPOs to develop revenue forecasts at the MPO level of operations and management (O&M costs);
- Provide public involvement training/assistance to the districts and MPOs and implement the Department's Community Impact Assessment (CIA) program;
- Ensure appropriate levels of air quality interagency consultation and reexamine/update the Department's conformity determination review procedure, and;
- Provide training/assistance to the districts and MPOs to ensure compliance with provisions of Title VI of the Civil Rights Act of 1964 in the metropolitan and statewide transportation planning processes.

In summary, our review of the STIP, TIPs and supporting documentation concludes that the FY 2002 STIP generally addresses the process and content requirements of 23 U.S.C. 134 and 135, 49 U.S.C. 5303 and 5305, 23 CFR Part 450 (Subparts B and C) and 49 CFR Part 613 (Subparts B and C). Therefore, based on the above, Florida's FY 2002 STIP is hereby approved except for the following counties: Miami-Dade, Hillsborough, and Pinellas. These counties programs are conditionally approved for 60 days. The counties' programs are being conditionally approved subject to a meeting with FDOT, MPOs in all six maintenance areas, Florida Department of Environmental Protection, FHWA, FTA, and EPA to discuss improvements to the interagency consultation process and preparations for the adoptions on new Long-Range Transportation Plans in these areas.

Over the next year, we look forward to continuing our coordination with the Department, the MPOs, the local/regional transit service providers and Florida's other transportation stakeholders in further implementing the various transportation planning and environmental provisions of the Transportation Equity Act for the 21st Century within the contexts of the statewide and metropolitan transportation planning processes.

If you have any questions, please contact Erik Steavens at (850) 942-9650, extension 3008 or Roger Krahl at (404) 562-3507.

Sincerely

/S/Erik Steavens
James E. St. John
Division Administrator
Federal Highway Administration
Administration

/S/Roger N. Krahl
Jerry Franklin
Regional Administrator
Federal Transit

Enclosure(s)

cc: Ms. Kay T. Prince, EPA Region 4
Mr. James Jobe, FDOT (MS-7)
Mr. Kurt Eichin, FDOT (MS-28)
Ms. Stacie Blizzard, FDOT (MS-28)
Mr. Howard Glassman, MPOAC (MS-28B)

Appendix M

Letter from FDOT Approving Previous CDR

Florida Department of Transportation

JEB BUSH
GOVERNOR

605 Suwannee Street
Tallahassee, Florida 32399-0450

THOMAS F. BARRY, JR.
SECRETARY

August 31, 2001

Mr. James E. St. John
Division Administrator
Federal Highway Administration
227 North Bronough Street, Room 2015
Tallahassee, Florida 32301

Dear Mr. St. John:

The Department has completed the review of the Transportation Improvement Programs (TIPs) for the Metropolitan Planning Organizations (MPOs) and has concluded that they are consistent with federal and state law. The reviews were conducted pursuant to the processes outlined in Procedure Topic Number 525-010-025, "MPO Administrative Manual" and Procedure Topic Number 525-010-014, "District Review of Conformity Determinations by Metropolitan Planning Organizations in Non-attainment and Maintenance Areas."

Through the authority delegated by the Governor, I hereby approve the TIPs for the nineteen (19) MPOs located within air quality attainment areas. These TIPs will be effective upon the joint approval of the 2001 State Transportation Improvement Program (STIP) by the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA). The TIPs for the six (6) MPOs within air quality maintenance areas are approved contingent on a satisfactory finding of conformity by FHWA and FTA. These TIPs will also be effective upon the joint approval of the 2001 STIP by FHWA and FTA.

If the Department can be of further assistance in the process of providing additional information, please contact Mr. Robert Romig, Director, Office of Policy Planning, at 414-4800.

Sincerely,

Thomas F. Barry, Jr., P.E.
Secretary

TFB/seb

cc: Mr. Ken Morefield
Ms. Ysela Llort
Mr. Robert Romig
District Directors for Planning and Public Transportation
MPO Staff Directors
Mr. Erik Steavens

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SEP 10 2001
COUNTY MANAGER'S OFFICE
MPO SECRETARIAT

Appendix N

Air Quality Newsletter
March 2001

Quarterly Newsletter

Air Quality and the Long Range Transportation Plan (LRTP)

March 2001

Metropolitan Planning Organization (MPO) for the Miami Urbanized Area

Miami-Dade County Metropolitan Planning Organization

Alex Penelas, Mayor
Miami-Dade County

MPO Governing Board

Gwen Margolis
Chairperson

Dr. Miriam Alonso
Bruno A. Barreiro
George J. Berlin
Dr. Barbara M. Carey-Shuler
Betty T. Ferguson
Perla Tabares Hantman
Neisen O. Kasdin
Ronald Krongold
José A. Martínez
Raúl Martínez
Natacha Seijas Millán
Jimmy L. Morales
Dennis C. Moss
Dorrin D. Rolle
Pedro Reboredo
Katy Sorenson
Javier D. Souto
Arthur E. Teele, Jr.
Frank Wolland

Non-Voting Members

Florida Department of Transportation (FDOT) District VI

José Abreu, P.E.
Gary L. Donn, P.E.

County Manager
Steve Shiver
Pedro G. Hernández, Sr. Assistant

MPO Secretariat
José-Luis Mesa, Director

Contact:

Miami-Dade MPO
111 N.W. First Street
Suite 910
Miami, FL 33128-1999

Phone: (305) 375-4507
Fax: (305) 375-4950

E-mail:
mpo@co.miami-dade.fl..us

Website:
www.co.miami-dade.fl.us/mpo

About this Newsletter: The air is Clean in Miami-Dade County and residents will continue to enjoy Clean Air in the future, based on federal standards. This newsletter explains the connection between air quality and transportation, why we should care about air quality, and how citizens can do their part.

History

In accordance with the 1990 Clean Air Act (1990 CAA), the Miami-Dade County Metropolitan Planning Organization (MPO) was designated as the organization to help meet the federal air quality standards in the Miami-Dade area by ensuring that the Long Range Transportation Plan (LRTP) conforms to the State Implementation Plan for air quality. Recent air quality milestones in our transportation planning include:

1979 US Environmental Protection Area (USEPA) designates the County as moderate nonattainment area for ozone.

1993 Base year inventory of emissions is approved as part of Florida's State Implementation Plan and a maintenance plan is submitted to USEPA.

1995 USEPA redesignates the County to attainment status; which means that, for 20 years, Miami-Dade must show conformity to the maintenance plan through its LRTP and Transportation Improvement Plan.

2001 Miami-Dade County's LRTP must conform to the most recent air quality standards.

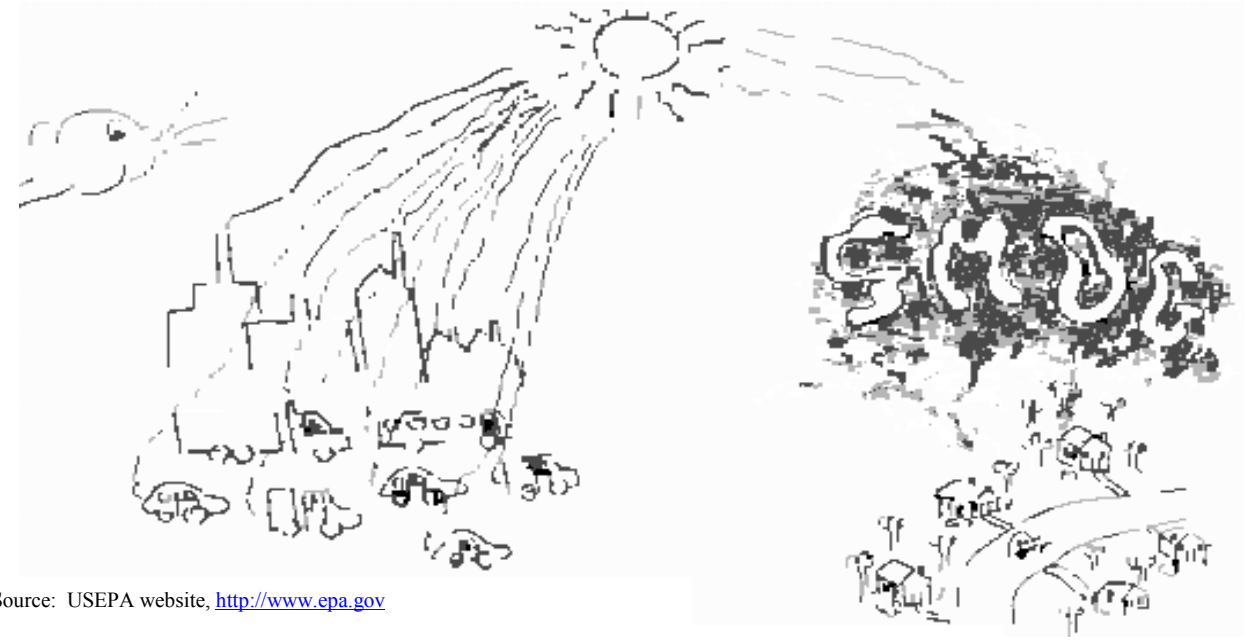
2015 Air quality conformity requirements end for Miami-Dade County.

1990 Clean Air Act was the legislation that designated the federal government control over decisions about the environment. Specifically, the 1990 amendments allowed the EPA to classify areas by severity of the pollution problem and set standards to control the problem.

Air Quality

Nonattainment Area
"A geographic area in which the level of a criteria air pollutant is higher than the level allowed by the federal standards." (USEPA website)

- The "measure of health-related and visual characteristics of the air". (US Department of the Interior website)
- Protected by the USEPA through the 1990 Clean Air Act.
- A geographic area that meets or does better than USEPA's primary air quality standard is called an attainment area; areas that don't meet the standard are called nonattainment areas.



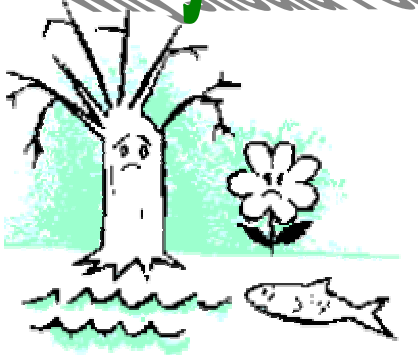
Source: USEPA website, http://www.epa.gov

Volatile Organic Chemicals (VOCs) are "Organic chemicals that contain the element carbon; VOCs include gasoline, industrial chemicals such as benzene, solvents such as toluene and xylene, and tetrachloroethylene. Many volatile organic chemicals are also hazardous air pollutants; for example, benzene causes cancer." (USEPA website)

- "Although EPA has been regulating criteria air pollutants since the 1970 CAA was passed, many urban areas are classified as nonattainment for at least one criteria air pollutant. **It has been estimated that about 90 million Americans live in nonattainment areas**." (USEPA website)
- Common pollutants of air quality that are generated from cars include VOCs and NO_xs, which lead to smog or ozone formation.
- Smog is mostly made up of ground-level ozone and is produced by many various sources including: cars, industrial factories, and paints that release fumes into the air.
- Fumes from the various sources are blown away from their sources.
- Heat and sunlight increase the speed in which the chemical reactions form the ground-level ozone.
- Often hours and miles away from the source, the smog is formed from the pollutants released.

Nitrogen Oxides (NO_x) "are produced from burning fuels, including gasoline and coal. Nitrogen oxides are smogformers, which react with VOCs to form smog. NO_xs are also major components of acid rain." (USEPA website)

Why should I care about Air Quality and Pollution?



Source: USEPA Website http://www.epa.gov

Pollution can cause:

- Cancer.
- Birth defects.
- Brain and nerve damage.
- Breathing problems.
- Damage to the environment including trees, waterways and animals.
- Property damage, including buildings and statues, from acid rain.
- A haze of smog over Miami-Dade County.

What is the connection between Air Quality and Transportation?

- Even though "today's cars produce 60 to 80 percent less pollution than cars in the 1960s" and "despite newer technology", mobile sources, including cars, trucks, buses, motorcycles, and planes are "responsible for up to half of the smog-forming VOCs and NO_xs…" today. (USEPA website)
- People are making more trips and driving further away then before.
- The majority of trips are made by Single Occupant Vehicles.
- The LRTP needs to include projects that will help the Air Quality of Miami-Dade County like: more buses, rail, bicycle facilities, sidewalks, and carpooling initiatives.
- The 1990 CAA requires that the LRTP conform to air quality standards and does not exceed the emissions budget for Miami-Dade County. See the table below for those standards.

Conformity is "in general, the agreement of transportation plans and programs with assumptions and commitments designed to attain federal and state air quality standards." (FDOT Glossary)

Miami-Dade County VOC and NOx Budget for 2000 and 2005

Emissions Type	2000 Budget	2005 Budget[1]
VOC	148.77	148.77
NO_x	111.82	111.82

[1]The 2005 Budget is used for the future years, 2010, 2015, 2020, and 2025 until a new EPA study is released.
Source: Florida Department of Transportation, *District Review of Conformity Determinations*; 525-010-014-g: July 9, 1998

What can I do?

- Attend the LRTP Public Involvement meetings and participate in making a list of future transportation projects.
- Ride Metrobus, Metrorail, or TriRail; for more information on how to use these systems call the Miami-Dade Transit Authority's Customer Service Line at (305) 770-3131.
- Carpool or utilize flex time/hours at your work, for more information on carpooling contact the South Florida Services' Customer Service Line at 1-800-234-RIDE.
- Walk or bike for short trips.
- Encourage others to consider their impacts on our air quality.
- Keep track of the South East Air Coalition for Outreach alliance whose mission is to promote air quality programs and awareness. This alliance includes public and private organizations.

Where can I go for further information on Air Quality issues?

US Environmental Protection Agency's website: http://www.epa.gov.

US Department of the Interior, Bureau of Reclamation's website: http://www.usbr.gov.

Florida Department of Transportation, Transportation and Air Quality Citations, Abbreviations and Glossary, 1995.

Florida Department of Environmental Protection website: http://www.dep.state.fl.us.

Miami-Dade County Metropolitan Planning Organization's website: http://www.co.miami-dade.fl.us/mpo.

Miami-Dade County Department of Environmental Management's website: http://www.co.miami-dade.fl.us/derm.

South East Air Coalition for Outreach website: http://www.dep.state.fl.us/sed/air/ecosystem/seaco.htm

Metropolitan Planning Organization (MPO) Secretariat
Office of the County Manager
111 NW First Street, Suite 910
Miami, FL 33128-1999

Appendix O

Air Quality Newsletter
September 2001

DRAFT

Quarterly Newsletter

Estimating Miami-Dade County's Current and Future Air Quality Standards

September 2001

Metropolitan Planning Organization (MPO) for the Miami Urbanized Area

Miami-Dade County Metropolitan Planning Organization

Alex Penelas, Mayor
Miami-Dade County

MPO Governing Board

Gwen Margolis
Chairperson

Dr. Miriam Alonso
Bruno A. Barreiro
George J. Berlin
Dr. Barbara M. Carey-Shuler
Betty T. Ferguson
Perla Tabares Hantman
Neisen O. Kasdin
Ronald Krongold
José A. Martínez
Raúl Martínez
Natacha Seijas Millán
Jimmy L. Morales
Dennis C. Moss
Dorrin D. Rolle
Katy Sorenson
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MPO Secretariat
José-Luis Mesa, Director

Contact:

Miami-Dade MPO
111 N.W. First Street
Suite 910
Miami, FL 33128-1999

Phone: (305) 375-4507
Fax: (305) 375-4950

E-mail:
mpo@co.miami-dade.fl..us

Website:
www.co.miami-dade.fl.us/mpo

About this Newsletter: This newsletter explains how the Metropolitan Planning Organization estimates the effects of present and future transportation systems on Miami-Dade County's air quality.

History

Since the passage of the Clean Air Act Amendments (CAAA) of 1990, transportation planners have been responsible for determining the impacts of surface transportation on local air quality. In 1991, Miami-Dade County was classified to be a Moderate Non-Attainment Area for national standards for ozone.

By 1995, emissions levels had been reduced such that Miami-Dade County was in attainment for ozone standards, and was reclassified as a Maintenance Area for air quality. This means that for a twenty-year period, emissions of ozone precursors must not exceed the budget level set in the State Implementation Plan (SIP).

To assure compliance, it is necessary to continually monitor current emissions generated by the transportation system. It is also necessary to estimate emissions for future alternative transportation scenarios to ensure that the maximum allowable emissions will not be exceeded. Tools such as ITS, cars that release less pollutants, and carpooling help to ensure that Miami-Dade will stay in compliance.

Intelligent Transportation Systems (ITS) has helped to make Miami-Dade County an attainment area. ITS technology includes electronic billboards to alert drivers of congestion ahead so that they my change their routes.

Emissions Estimate Using EMIS Module

USEPA (United States Environmental Protection Agency) is the federal agency designated to monitor and care for the United States' environment including the land, air, and water.

The USEPA set up a Mobile5a program to estimate emissions. The EMIS module is a factor model that estimates mobile source emissions using a combination of the Mobile5a program and other programs written expressly for use in Florida. Key components of the EMIS module include the following:

- Nationwide Average Forecast Year and Technology Specific Emissions Rates.
- Measure of Changes in Emissions Resulting from Congestion.
- Local Fleet and Environmental Characteristics.
- Adjustments for Vehicle Inspection and Maintenance Programs.

These components account for how different rates of vehicle speeds, type and number of vehicles, age of the vehicles and use of inspection programs can affect overall emissions. The first three components are used in the Miami-Dade Model. Florida discontinued the Vehicle Inspection Program in December 2000. Environmental characteristics such as elevation and temperature also affect the emissions rates.

DRAFT

Validation of the EMIS Model

Model Validation is the process by which a model is checked to make sure that it reflects real life scenarios. This testing allows for a more accurate estimation of future scenarios.

Validation of the emissions model is different than validation of other models since there is no method for quantifying 1999 mobile source emissions. This is because mobile source emissions are one contributor to total emissions.

Stationary sources, such as factories, contribute significantly to total emissions. For this reason, validation of the emissions model consists primarily of the development of accurate model parameters.

Since there is no exact method to calculate total emissions by individual source, evaluation of emissions estimates is typically accomplished by comparing marginal differences in emissions between years and alternatives. These are also evaluated by comparing total emissions estimates with State Implementation Plan (SIP) established emissions budgets.

1. Which of these vehicle fuels causes the least pollution?

- Electricity
- Reformulated Gasoline
- Natural Gas
- Alcohol
- Hydrogen
- Beer

Answer: Hydrogen
Source: USEPA website, http://www.epa.gov

2. Where is there most potential for future gains in reducing motor vehicle emissions?

- Better control of emissions from vehicles in actual use
- Use of clean transportation alternatives such as mass transit
- Use of cleaner fuels
- All of the above

Answer: All of the Above
Source: USEPA website, http://www.epa.gov

EMIS Key Input Parameters

The EMIS module requires input parameters to estimate emissions. These parameters are based on data collected by the USEPA and other agencies in charge of air quality.

A few of the key input parameters for the EMIS and MOBILE models include the following:

- Fleet mix, which defines the breakdown of trucks to cars and their corresponding model year;
- First and last model years, which are 1975 and 2020;
- Inspection Maintenance Factor, which is used to model the benefit gained from the Florida Motor Vehicles Emissions Program that was administered before December 2000; and
- Southeast Florida average low and high temperatures, which are 69.3 degrees Fahrenheit for the low temperature and 91.2 degrees Fahrenheit for the high.

AIRS (Aerometric Information Retrieval System) is the database of air pollution data maintained by the USEPA that is used to calculate the standards in the air quality models.

DRAFT

EMIS Model Calibration

Peak Ozone Season is defined as the period from May 30, 1999 to August 28, 1999 for this validation. The Peak Ozone Season runs for 13 weeks a year during the summer months.

The process used to calibrate the EMIS module for the Florida Transportation Model follows several discrete steps. These steps must be completed each time the validated model is updated.

- Summarize HPMS VMT and Weekly Factors for the Peak Ozone Season.
- Calculate Peak Ozone Season VMT.
- Summarize the EMIS module unadjusted VMT from the model's output.
- Calculate the EMIS Factor by dividing the Peak Ozone Season VMT by the unadjusted EMIS output VMT.
- Input the updated EMIS Factor into the model, re-run the model and compare model output VMT to Peak Ozone Season VMT for reasonableness.
- Summarize validation year emissions estimates and compare estimates with allowable emissions budgets from the SIP.

Highway Performance Monitoring System (HPMS) Vehicle Miles Traveled (VMT) are the number of miles traveled by vehicles that are gathered by traffic counts done by local and state agencies.

The following table summarizes the results of the EMIS module calibration for the 1999 Miami-Dade Transportation Planning Model (MTPM). For more detail regarding the EMIS module calibration, please call the Miami-Dade MPO: (305) 375-4507 or see its website: http://www.co.miami-dade.fl.us/mpo.

Miami-Dade County VOC and NOx Early Model Alternatives Summaries and SIP Budget

Model Year	Model Alternative	Population	Employment	VOC (Tons)	NOx (Tons)	VOC Budget (Tons)	NOx Budget (Tons)
1999	Validation	2,130,700	1,191,600	84.27	106.25	148.77	111.32
2005	Existing plus Committed	2,316,900	1,283,800	Pending	Pending	148.77	111.32
2010	Interim Cost Feasible	2,471,800	1,360,500	Pending	Pending	148.77	111.32
2015[1]	Interim Cost Feasible	2,626,800	1,437,300	Pending	Pending	148.77	111.32
2025[2]	Cost Feasible	2,969,200	1,550,900	115.60	107.80	148.77	111.32

1. The Year 2015 and 2015 Emissions Budgets are the same as the Year 2005.
2. The Year 2025 Tons of Emissions are estimated using Year 2020 rates due to limitations of MOBILE5.

What can I do?

Imagine this:
"If only 100 employees commuted to work in pairs instead of driving alone for only two weeks of the year, they would save 75 pounds of hydrocarbons, 30 pounds of nitrogen oxides, 550 pounds of carbon monoxide and 500 gallons of gasoline." (Foundation for Clean Air Progress)

- Come to the MPO's Citizen Transportation Advisory Committee (CTAC) meetings. Sign up to serve on the CTAC board. For more information, call the MPO at 305-375-4507 and ask for Clinton Forbes.
- Ride Metrobus, Metrorail, or TriRail; for more information on how to use these systems call the Miami-Dade Transit Authority's Customer Service Line at (305) 770-3131.
- Carpool or utilize flex time/hours at your work, for more information on carpooling contact the South Florida Services' Customer Service Line at 1-800-234-RIDE.
- Walk or bike for short trips.
- Encourage others to consider their impacts on our air quality.
- Keep track of the South East Air Coalition for Outreach Alliance whose mission is to promote air quality programs and awareness. This alliance includes public and private organizations.

DRAFT

Where can I go for further information on Air Quality issues?

US Environmental Protection Agency's website: http://www.epa.gov.

US Department of the Interior, Bureau of Reclamation's website: http://www.usbr.gov.

Florida Department of Transportation, Transportation and Air Quality Citations, Abbreviations and Glossary, 1995.

Florida Department of Environmental Protection website: http://www.dep.state.fl.us.

Miami-Dade County Metropolitan Planning Organization's website: http://www.co.miami-dade.fl.us/mpo.

Miami-Dade County Department of Environmental Management's website: http://www.co.miami-dade.fl.us/derm.

South East Air Coalition for Outreach website: http://www.dep.state.fl.us/sed/air/ecosystem/seaco.htm.

Foundation for Clean Air Progress website: http://www.cleanairprogress.org.

Metropolitan Planning Organization (MPO) Secretariat
Office of the County Manager
111 NW First Street, Suite 910
Miami, FL 33128-1999

Appendix P

Year 2025 LRTP Public Involvement Brochures

The MPO is required to update the Transportation Plan for the County every 3 years.

THE SALES TAX REFERENDUM DIDN'T PASS,

... so the challenges of creating a more efficient transportation system for Miami-Dade are even greater.

Miami-Dade MPO

ALEX PENELAS, MAYOR

STEVE SHIVER, COUNTY MANAGER

Governing Board

GWEN MARGOLIS, CHAIRPERSON

Miriam Alonso
Bruno A. Barreiro
George Berlin
Barbara Carey-Shuler
Betty Ferguson
Perla Tabares Hantman
Neisen Kasdin
M. Ronald Krongold
Joe A. Martinez
Raul Martinez
Jimmy Morales
Dennis C. Moss
Dorrin D. Rolle
Natacha Seijas
Katy Sorenson
Javier Souto
Arthur E. Teele, Jr.
Frank Wolland

Non-Voting Membership
Florida Department of Transportation

Jose Abreu Gary Donn

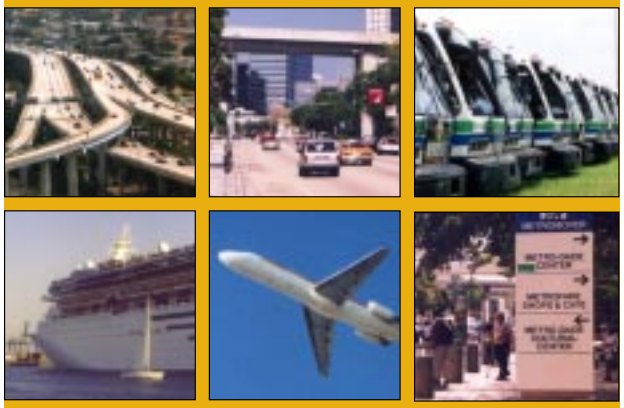
Contact the MPO for more information:

MPO Secretariat
Stephen P. Clark Center
111 N.W. First Street
Suite 910
Miami, FL 33128
(305) 375-4507
Fax: (305) 375-4950
E-Mail: mpo@co.miami-dade.fl.us

Website: www.co.metro-dade.com/mpo

Transportation Problems Ruining Your Day?

Plans For A Better Transportation System For The Future Are Being Made Today.



Will Your Ideas Be A Part Of The Solution?

How will we travel years from now?

Miami-Dade Metropolitan Planning Organization (MPO) is developing -

The MIAMI-DADE TRANSPORTATION PLAN

...and it's time for an update.

You can PARTICIPATE in -

■ Helping the experts to develop the right transportation system – One that meets the needs of the citizens and businesses of Miami-Dade.

What will we need to get around?

- ❑ ROADS
- ❑ BUSES
- ❑ RAILS
- ❑ SIDEWALKS
- ❑ BICYCLES
- ❑ TECHNOLOGY
- ❑ GREENWAYS
- ❑ RIDESHARING

The Transportation Plan will look at where we want to go and identify what we NEED to get there safely and efficiently.

The needs of existing and future businesses and citizens are considered and a list of projects is created. Solutions will include new approaches to old problems.

What can we afford?

Not all the projects we need can be built. There is not enough funding to include them all in the Transportation Plan. Which are the MOST important?

- More roads?
- More rail and buses?
- Alternative work hours?
- Additional carpooling?

How can you help decide what projects are included in the Transportation Plan?

■ Attend Citizen's Transportation Advisory Committee (CTAC) Meetings held on the 3rd Wednesday of each month.

■ Watch for articles and notices of public meetings in local newspapers in your area.

■ Follow development of the Transportation Plan and make comments at www.co.miami-dade.com/mpo

■ Call or Fax the MPO and ask for information or give your ideas: Phone: (305) 375-4507 or Fax: (305) 375-4950.

Citizen and business participation is the only way to build the BEST plan for Miami-Dade's future.

August 2001

Miami-Dade Transportation Plan to the Year 2025

Planning Our Transportation Future... Countywide

Countywide Summary

The Draft Miami-Dade Transportation Plan to the Year 2025 is being developed to guide federal, state, and local transportation expenditures between now and 2025. Highway, transit, bicycle, and pedestrian improvements will be included in this comprehensive plan.

The Plan development process involves months of technical work and public involvement activities. At present, the Plan is being developed through the use of a detailed travel demand forecasting model and other analytical tools, the results of which are evaluated by the Transportation Planning Council, made up of representatives of state, regional, and local agencies and the citizenry.

The travel demand forecasting model considers:

- The current system of roadway and transit facilities
- Current population and employment
- Current traffic and transit ridership
- Future land use, population, and employment
- Future traffic and transit ridership

The Transportation Planning Council, before making its recommendation, considers:

- The results of the travel demand forcasting
- Historic preservation and right-of-way constraints
- Air quality, environmentally sensitive areas, and natural resources
- Future, anticipated financial capability
- The concerns and desires of the community

As part of the process of developing this Plan, Candidate Projects are being identified. The Candidate Projects will depict all of the transportation facility improvements that will be needed through the Year 2025 to meet the area's transportation requirements, to the extent possible. Concurrently, a Financial Resources analysis is being conducted and will provide information on the anticipated funding available to design and construct the projects.

Finally, a Cost Feasible Plan will be developed that depicts those major capital improvement projects the County can reasonably expect to afford. The Cost Feasible Plan will represent the highest priority projects from the Candidate Projects that are within the financial capabilities of Miami-Dade County. In the next few months, draft copies of the Cost Feasible Plan will be developed. ❖

Goals and the Plan

Goal 1: Improve Transportation Systems and Travel

Goal 2: Promote Economic Vitality

Goal 3: Enhance Social Benefits

Goal 4: Encompass Environmental and Energy Concerns

Goal 5: Integrate Land Use, Growth, and Development Considerations

Goal 6: Optimize Investment Strategies

How Will We Travel Years From Now?

Miami-Dade Metropolitan Planning Organization (MPO) is developing -

The Miami-Dade Transportation Plan

...and it's time for an update

What Can We Afford?

Not all the projects we need can be built. There is not enough funding to include them all in the Transportation Plan. Which are the MOST important?

- More roads?
- More rail and buses?
- Alternative work hours?
- Additional carpooling?

What Will We Need To Get Around?

- ROADS
- BUSES
- RAILS
- SIDEWALKS
- BICYCLES
- TECHNOLOGY
- GREENWAYS
- RIDESHARING

The Transportation Plan will look at where we want to go and identify what we NEED to get there safely and efficiently. The needs of existing and future businesses and citizens are considered and a list of projects is created. Solutions will include new approaches to old problems.

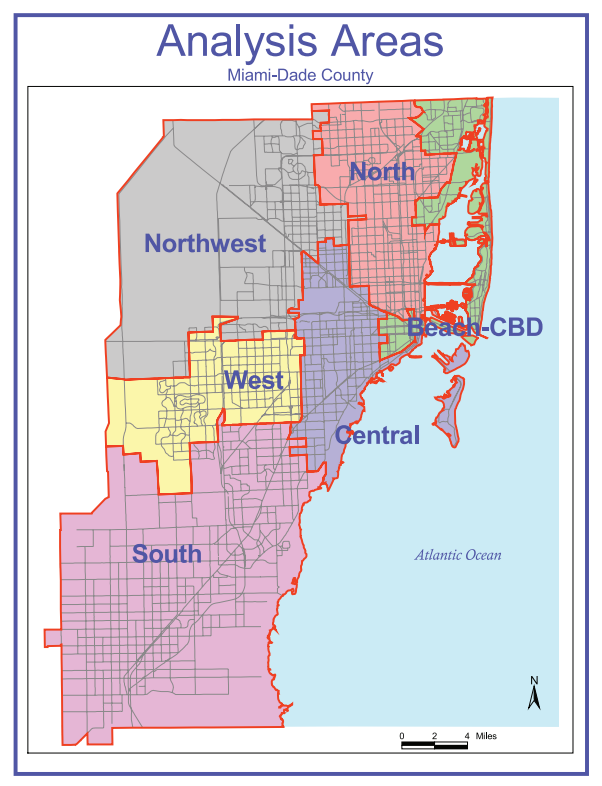
Candidate Projects for the Plan

As indicated, a list of Candidate Projects will be identified as major capital transportation facility improvements that will be needed through the Year 2025. These Candidate Projects will be developed to show needs only, regardless of project costs.

All of the Candidate Projects will not be constructed by the Year 2025, due to financial constraints. A subset of the recommended Candidate Projects, referred to as the Recommended Cost Feasible Plan, will represent the projects that transportation officials can reasonably expect to be able to afford to construct in Miami-Dade County through the Year 2025.❖

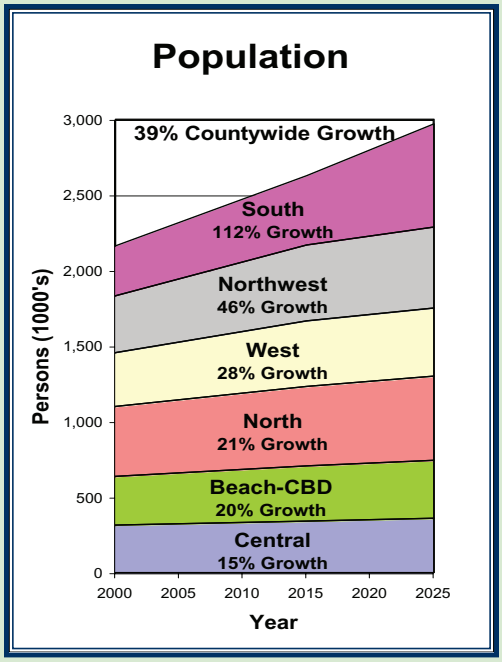
Analysis Areas and Future Growth

Miami-Dade County has been divided into six planning areas of analysis for purposes of presentation during the public meetings for the Miami-Dade Transportation Plan to the Year 2025.

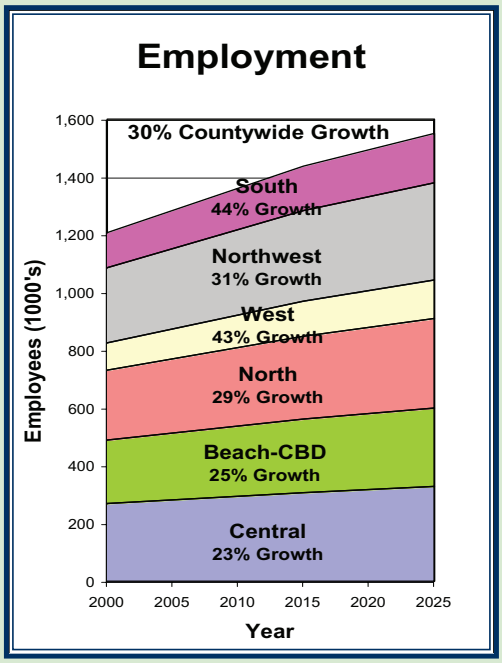


The six Analysis Areas listed below are depicted on the map.

- Northwest
- West
- Beach - Central Business District (CBD)
- North
- Central
- South ❖



Miami-Dade population will increase by 39% between 1999 and 2025.



Miami-Dade employment will increase by 30% between 1999 and 2025.

Demographic and transportation data are the driving force in developing the projects. The table depicts the future growth that will shape the area between 1999 and Year 2025. ❖

Demographic and Transportation Information	1999	2025	Percent Increase
Population	2,130,700	2,969,200	39%
Dwelling Units	767,900	1,040,700	36%
Employment	1,191,600	1,550,900	30%
Autos	1,507,100	2,096,500	39%
Trips	7,287,000	10,111,000	39%

Your Input . . .

We Want Your Ideas to be a Part of the Solution!

Through the year 2025, it is anticipated that the population growth in Miami-Dade County will increase 39 percent and employment will increase by 30 percent! However, there is not enough funding to accommodate this growth. The challenges of creating a more cost-efficient transportation system for Miami-Dade County are great.

We want your ideas to be a part of the solution to this challenge.

Send your ideas to:
Project Manager
Miami-Dade Transportation Plan
to the Year 2025
Suite 910
111 N.W. First Street
Miami, FL 33128

Phone: (305) 375-4507
Fax: (305) 375-4950

Website: www.co.miami-dade.fl.us/mpo
E-mail: mpo@miamidade.gov

What's Next?

Once the 2025 list of Candidate Projects has been finalized with the input from the public, these projects will be evaluated based on the Project's Goals and Objectives. The projects will then be prioritized based on this evaluation to help develop the 2025 recommended Cost Feasible Plan. The Cost Feasible Plan balances the needed projects with the projected available financial resources.❖

Agosto del 2001

Plan de Transporte para el Condado Miami-Dade para el Año 2025

Planeando el Futuro Nuestro Transporte... Todo el Condado

Resumen Para Todo el Condado

El plan de transporte del Condado Miami-Dade para el año 2025 está siendo desarrollado para canalizar los gastos federales, estatales y locales destinados al transporte. Mejoras en carreteras, trasporte público, vías peatonales y de bicicletas serán incluídas en este plan.

El proceso para desarrollar el plan toma meses de trabajo técnico y de actividades para informar a la comunidad. En el presente, el plan está siendo desarrollado con la ayuda de un complejo modelo de computador para la predicción de demanda de viajes y otras herramientas que ayudan a su análisis. Los resultados obtenidos son evaluados por el Concejo de Planeación de Transporte que está compuesto por representantes de agencias estatales, regionales y locales, y por el público en general.

Como parte del proceso de desarrollo de este plan, se están estudiando los posibles proyectos que ilustrarán todas las mejoras a la infraestructura de transporte existente que serán necesarias hasta el año 2025. Paralelamente, se está realizando un análisis de recursos financieros que proveerán información acerca de los fondosque se anticipan estén disponbles para la construcción de dichos proyectos.

Finalmente, un plan de posibilidades de costos será desarrollado enumerando aquellas mejoras capitales que el condado puede financiar. El plan de posibilidades de costos representará los proyectos con mayor prioridad de entre el listado de proyectos que el condado puede financiar. En los próximos meses, se desarrollarán planes preliminares de las posibilidades de estos fondos.❖

El modelo de predicción de demanda de viajes considera lo siguiente:

- El sistema existente de carreteras y transporte público
- Cifras actuales de población y empleo existentes
- Volumen de tránsito y uso del transporte público existentes
- Futuro uso de la tierra, población y empleo
- Futuro volumen de tránsito y uso del transporte público

El Concejo de Planeación de Transporte, considera lo siguiente antes de hacer sus recomendaciones:

- Resultados de las predicciones de demanda de viajes
- Preservación histórica y derechos de vía
- Calidad del aire, áreas ambientalmente sensibles y recursos naturales
- Futura capacidad financiera (estimada)
- Las necesidades y los deseos de la comunidad

Objetivos del Plan

Objetivo #1: ***Mejorar los sistemas de transporte y de viaje***

Objetivo #2: ***Promover viabilidad económica***

Objetivo #3: ***Aumentar los beneficios sociales***

Objetivo #4: ***Atender los problemas ambientales y de energía.***

Objetivo #5: ***Integrar las consideraciones de uso de la tierra, crecimiento, y desarrollo***

Objetivo #6: ***Optimizar las estrategias de inversión***

¿Cómo vamos a viajar en los años por venir?

La Organización de Planeación Metropolitana de Miami-Dade (MPO) está desarrollando-

ElPlan de Transporte de Miami-Dade para el Año 2025

...Y es tiempo para un adelanto

¿Qué podemos financiar?

No podemos construir todos los proyectos que necesitamos. No hay fondos suficientes para incluirlos a todos en plan de transporte. ¿Cuáles son los más importantes?

- ¿Más carreteras?
- ¿Más trenes y autobuses?
- ¿Horas alternas de trabajo?
- ¿Más automóviles compartidos?

¿Qué necesitamos para movernos?

- ¿Carreteras?
- ¿Autobuses?
- ¿Trenes?
- ¿Andenes?
- ¿Bicicletas?
- ¿Tecnología?
- ¿Vías verdes?
- ¿Compartir transporte?

El Plan de Trasporte identificará a donde queremos ir y decidirá que necesitamos para llegar de una manera segura y eficiente a nuestro destino. Las necesidades de los ciudadanos y de las industrias existentes y futuras son consideradas y se crea una lista de proyectos. La solución incluirá nuevos enfoques a viejos problemas.❖

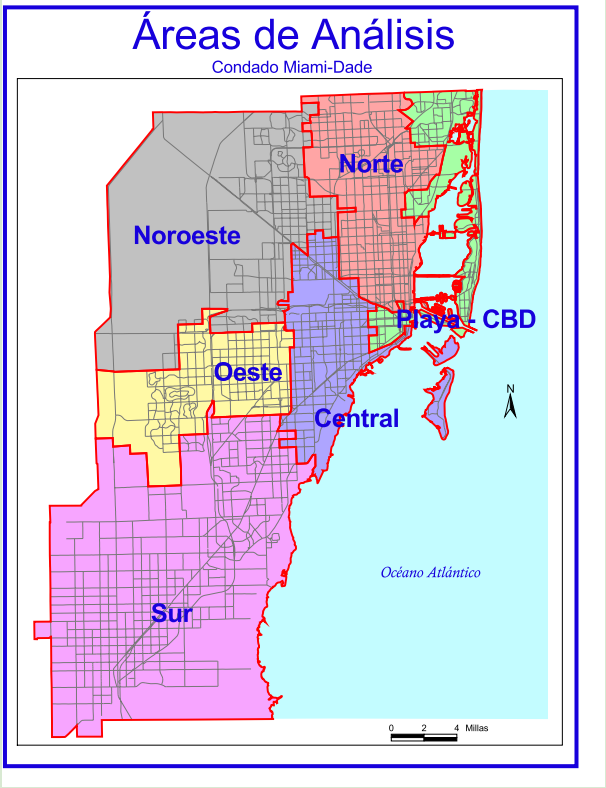
Proyectos candidatos para el Plan

Como se indicara anteriormente, se identificará una lista de proyectos que representarán las mejoras al sistema de transporte necesarias para el año 2025. Estos proyectos se desarrollarán para indicar solamente las necesidades, sin de tener en cuenta el costo.

Todos los proyectos no podrán ser construídos para el año 2025 debido a la falta de recursos económicos. Un grupo de los proyectos recomendados, que se llama Plan de Recomendaciones Económicamente Viables, representarán los proyectos que los oficiales de trasporte podrán financiar y construir en el condado de Miami-Dade hasta el año 2025.❖

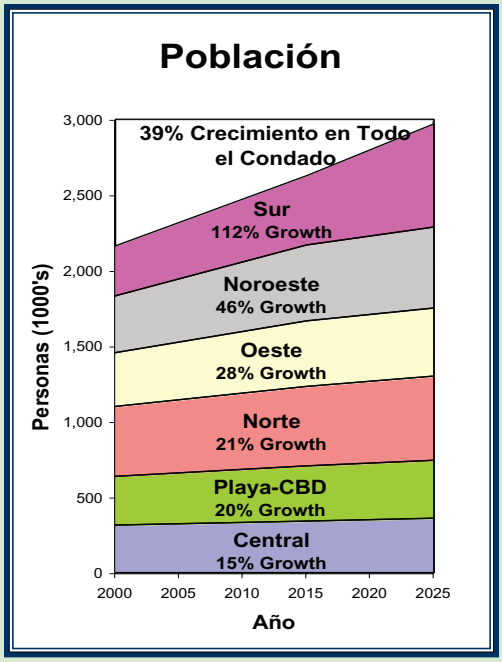
Areas de Análisis y Crecimiento Futuro

Con el propósito de presentar a la ciudadanía el Plan de Transporte para el Año 2025, el condado de Miami-Dade se ha dividido en seis áreas de planeación y análisis.



Las seis áreas de análisis se listan a continuación y se muestran en el mapa.

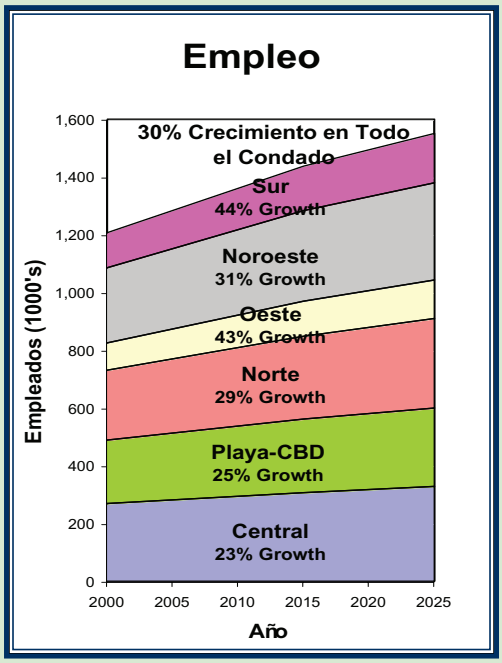
- Noroeste
- Oeste
- Playa - Distrit Central de Negocios (CBD)
- Norte
- Central
- Sur❖



La población de Miami-Dade aumentará en un 39% entre 1999 y 2025.

Los datos **Demográficos y de Transporte** son la fuerza que mueve los proyectos en desarrollo. La tabla ilustra el crecimiento futuro que dará forma al área entre 1999 y 2025.❖

Información demográfica y de Transporte	1999	2025	Incremento Porcentual
Población	2,130,700	2,969,200	39%
Unidades de vivienda	767,900	1,040,700	36%
Empleos	1,191,600	1,550,900	30%
Automóviles	1,507,100	2,096,500	39%
Viajes	7,287,000	10,111,000	39%



El empleo en Miami-Dade incrementará en 30% entre 1999 y 2025.

Tus Aportes

¡Nosotros queremos que tus ideas sean parte de la solución!

Para el año 2025, se estima que el crecimiento de la población en el condado Miami-Dade va a aumentar en un 39% y que el empleo va a crecer solo un 30%! Sin embargo, no hay fondos suficientes para acomodar este crecimiento. Los retos de crear un sistema de trasporte más eficiente y económicamente viable para el condado de Miami-Dade son grandes.

Nosotros queremos que tus ideas sean parte de la solución en este reto que enfrentamos.

Envía tus ideas a:
Administrador del Proyecto,
Plan de Trasporte 2025 para Miami-Dade
Suite 910
111 N.W. First Street
Miami, FL 33128

Teléfono: (305) 375-4507
Facsimil: (305) 375-4950

Sitio de Internet: www.co.miami-dade.fl.us/mpo
Corréo Electrónico: mpo@miamidade.gov

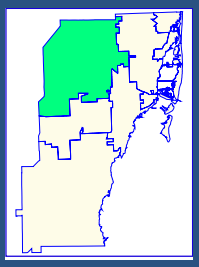
¿Qué continua?

Una vez que la lista de proyectos del plan 2025 sea finalizada con el aporte del público, estos proyectos se evaluarán basados en las metas y objetivos previamente establecidas. El siguiente paso es producir el Plan de Recomendaciones para el Año 2025, basado en las prioridades y viabilidad económica. Este plan, establece un balance entre los proyectos de mayor prioridad y los recursos económicos disponibles.❖

August 2001

Miami-Dade Transportation Plan to the Year 2025

Planning Our Transportation Future... Northwest



Northwest Transportation Planning Area Overview

This brochure provides background information on the Northwest Transportation Planning Area as part of the Miami-Dade County Metropolitan Planning Organization's (MPO) update to its Transportation Plan to the Year 2025. The Transportation Plan will identify the location, function, and size of new or improved infrastructure. The Transportation Plan addresses a twenty-year horizon and includes highway, transit, bicycle and pedestrian improvements.

With our county's population expected to grow to 3 million and our employment base to grow to over 1.5 million by 2025, our transportation needs are numerous. Demand for travel is expected to increase significantly over the next 25 years. The traffic, as measured in person trips, is projected to grow by 39% Countywide. Projects for the Transportation Plan are being formulated to help accommodate the additional trips and to help alleviate future deficiencies in the roadway network facilities. The demographic and transportation information for the Northwest Area is shown in the table below.

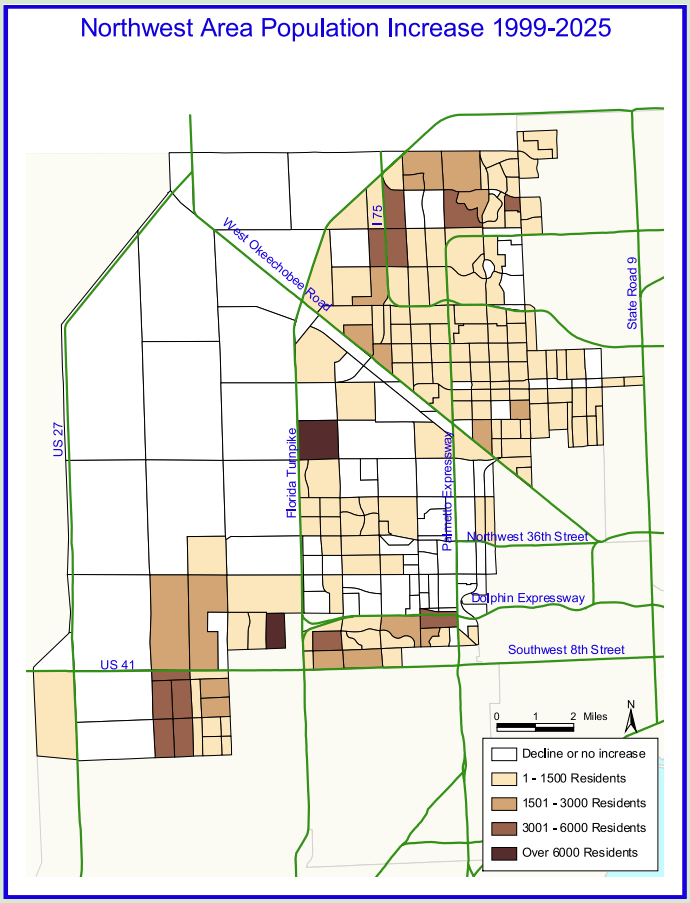
This brochure is intended to communicate to the County's citizens the major milestones of the update. The following contains illustrations of population and employment growth for the Northwest Area. Questions or comments can be addressed to the Miami-Dade MPO, Project Manager, Miami-Dade Transportation Plan to the Year 2025at 111 N.W. First Street, Suite 910, Miami, Florida 33128, phone **(305) 375-4507,** or E-mail us at **mpo@miamidade.gov.** For more information, please see the MPO's website: **www.co.miami-dade.fl.us/mpo.**❖

Demographic and Transportation Information	1999	2025	Percent Increase
Population	367,400	536,500	46%
Dwelling Units	123,600	168,900	37%
Employment	256,300	336,700	31%
Autos	278,300	396,600	43%
Trips	1,243,000	1,858,00	49%

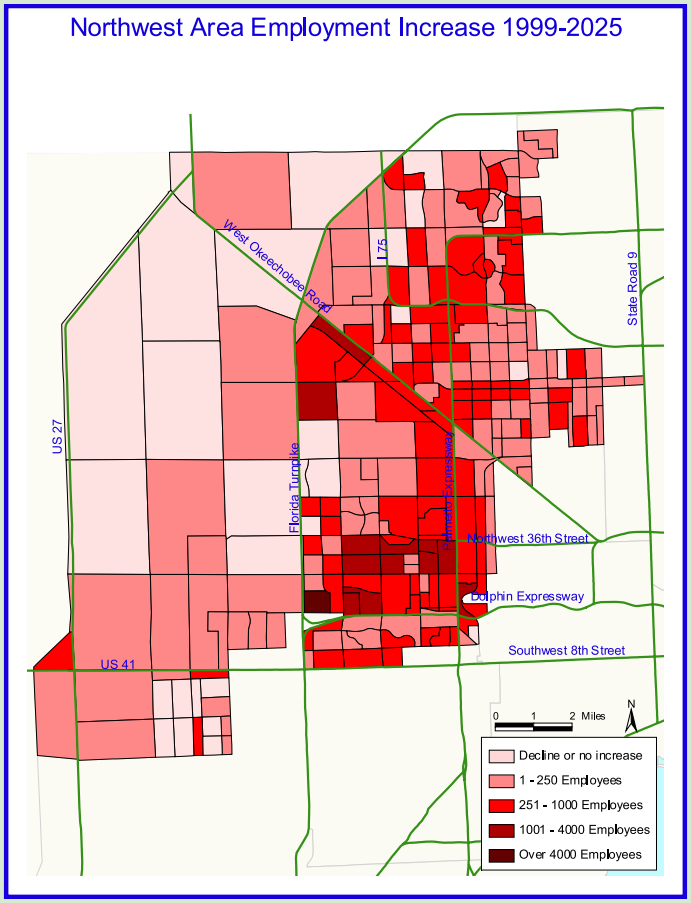
Future Growth

Boundaries and Corridors

The Northwest Transportation Planning Area covers the northwestern part of Miami-Dade County which is mainly west of NW 57th Avenue and north of SW 8th Street/Tamiami Trail. This area includes the Cities of Hialeah, Sweetwater, and Miami Lakes, the towns of Medley and Hialeah Gardens, the Lake District, and the Doral and Airport West commercial and industrial areas. The Northwest Area is traversed by several important transportation corridors including the SR-826/Palmetto Expressway, I-75, Okeechobee Road, SW 8th Street/Tamiami Trail, and Krome Avenue.❖



The population in the Northwest Area of Miami-Dade County will increase by 46% between 1999 and 2025.

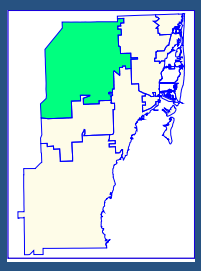


The number of employees in the Northwest Area of Miami-Dade County will increase by 31% between 1999 and 2025.

Plan de Transporte para el Condado Miami-Dade para el año 2025

Agosto del 2001

Planeando el futuro nuestro transporte... Noroeste



Área Noroeste de Planeación de Transporte

Este panfleto es una actualización del plan de transporte 2025 de la organización metropolitana de planeación (MPO) y proporciona información general acerca del área de planeación de transporte Noroeste. El plan de transporte identificará la localización, la función y el tamaño de la infraestructura nueva y remodelada. El plan de transporte tiene un horizonte de veinte años e incluye mejoras en carreteras, trasporte público, vías peatonales y de bicicletas.

Para el año 2025, la población de nuestro condado ascenderá a 3 millones y nuestra base de empleo a 1.5 millones creando numerosas necesidades de transporte. Se espera que la demanda de viajes aumente significantemente en los próximos 25 años. Se prevé que el tráfico en todo el condado, medido en términos de viajes por persona, aumente en 39%. Se están formulando proyectos para el plan de transporte que ayudarán a acomodar los viajes adicionales y aliviarán futuras deficiencias del sistema de carreteras. La información demográfica y de transporte de la zona Noroeste está expuesta en la tabla mostrada abajo.

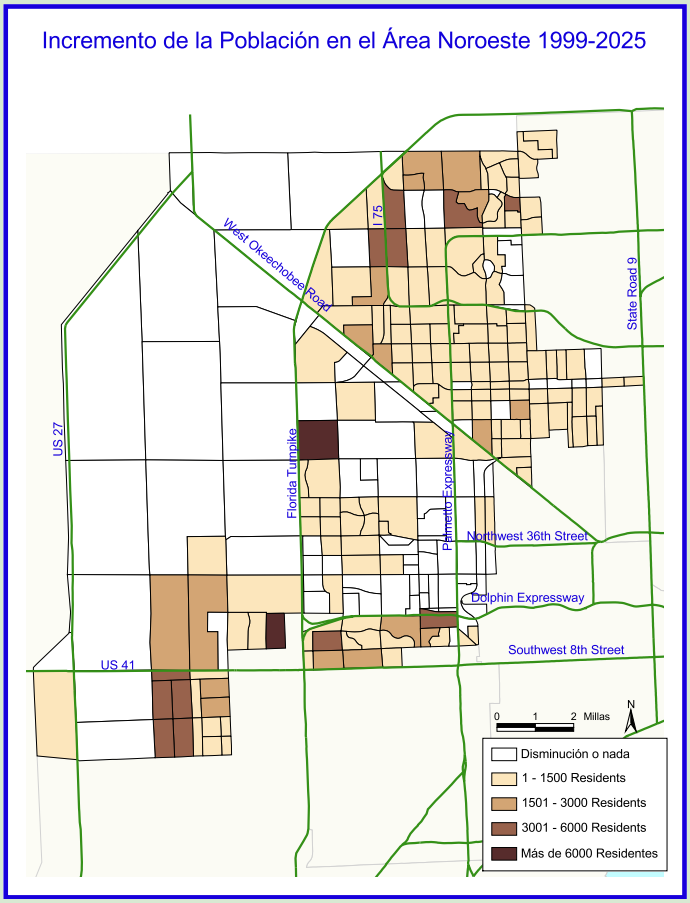
La intención de este panfleto es de informar a los ciudadanos del condado los eventos más importantes de la actualización. A continuación hay gráficas que muestran el crecimiento de la población y del trabajo en la zona Noroeste. Para preguntas y comentarios pueden dirigirse al Administrador del proyecto de transporte de Miami-Dade 2025 del MPO de Miami-Dade al 111 N.W. First Street, Suite 910, Miami, Florida 33128, teléfono **(305) 375-4507**, o al correo electrónico **mpo@miamidade.gov**. Para más información por favor diríjase a la página de Internet del MPO en: **www.co.miami-dade.fl.us/mpo**❖

Información demográfica y de Transporte	1999	2025	Incremento Porcentual
Población	367,400	536,500	46%
Unidades de vivienda	123,600	168,900	37%
Empleos	256,300	336,700	31%
Automóviles	278,300	396,600	43%
Viajes	1,243,000	1,858,00	49%

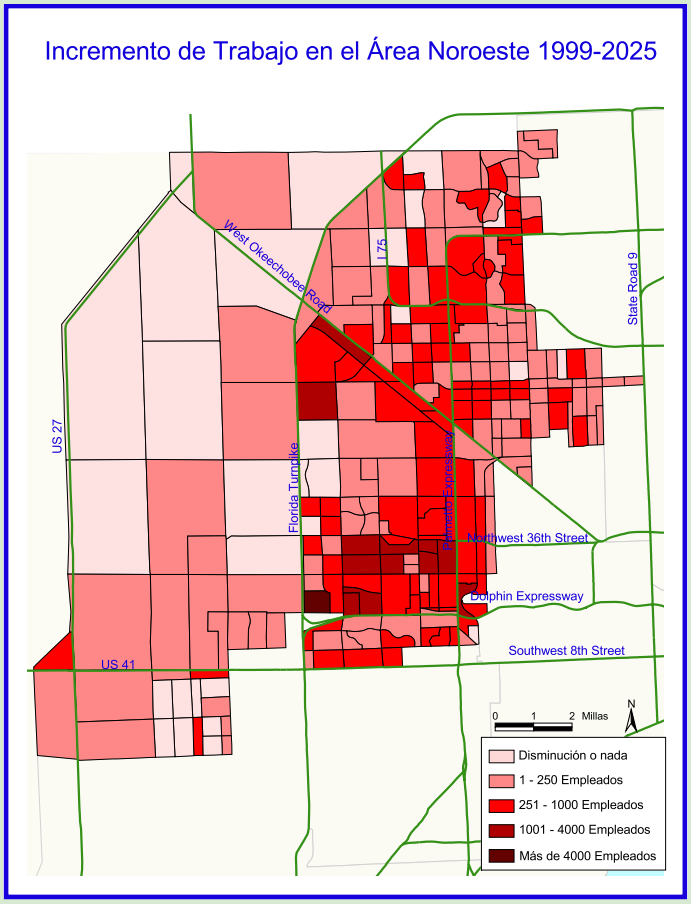
Crecimiento Futuro

Fronteras y Corredores

El área de planeación de transporte Noroeste del condado de Miami-Dade es principalmente el área al oeste de la avenida 57 NW, y al norte de la calle 8 SW / Tamiami Trail. Esta área incluye las ciudades de Hialeah, Sweetwater y Miami Lakes, los pueblos de Medley y Hialeah Gardens, el distrito del lago y las áreas comerciales e industriales de Doral y el aeropuerto. El área Noroeste es atravesada por numerosos corredores de transporte importantes, incluyendo SR 826 / Palmetto Expressway, I - 75, La carretera Okeechobee, la calle 8 SW / Tamiami Trail y la avenida Krome.❖



La población del condado Miami-Dade en el área Noroeste crecerá en 46% entre 1999 y 2025.



El número de empleos del condado Miami-Dade en el área Noroeste crecerá en 31% entre 1999 y 2025.

Appendix Q

MPO Year 2025 LRTP Adoption Public Hearing Flyer

Miami-Dade County

Rescheduling of a Public Hearing

2025 Long Range Transportation Plan (LRTP) for the Miami Urbanized Area

The Public Hearing for the adoption of the Miami-Dade Transportation Plan to the Year 2025, originally scheduled for the Metropolitan Planning Organization (MPO) Governing Board meeting of November 8, 2001, HAS BEEN POSTPONED TO:

WHEN: **Thursday, December 6, 2001**

TIME: **2:00 P.M.**

WHERE: **Commission Chambers**
Stephen P. Clark Center
111 NW First Street

The Air Quality Conformity Determination for the 2025 Miami-Dade County Transportation Plan Update and the Air Quality Conformity Determination for the current FY 2002-2006 Transportation Improvement Program (TIP) will also be considered by the MPO Governing Board.

Public notices of this change will also appear in the local media.

For more information, please contact the MPO:

JOSE-LUIS MESA, DIRECTOR
Metropolitan Planning Organization (MPO) Secretariat
Stephen P. Clark Center
111 NW First Street -- Suite 910
Miami, FL 33128
Telephone (305) 375-4507 --- Facsimile (305) 375-4950
e-mail: mpo@miamidade.gov
Website: www.co.miami-dade.fl.us/mpo

Appendix R

MPO Year 2025 LRTP Adoption Resolution

MPO RESOLUTION # 41-01

RESOLUTION APPROVING THE MIAMI-DADE TRANSPORTATION PLAN TO THE YEAR 2025 AS AMENDED

WHEREAS, the Interlocal Agreement creating and establishing the Metropolitan Planning Organization (MPO) for the Miami Urbanized Area requires that the MPO provide a structure to evaluate the adequacy of the transportation planning and programming process, and

WHEREAS, the Transportation Planning Council (TPC) has been established and charged with the responsibility and duty of fulfilling the aforementioned functions, and

WHEREAS, statutory regulations governing the MPO program require that the urban area long range transportation plan be the subject of a major update every three years, and

WHEREAS, the TPC has reviewed the Plan and recommends its adoption.

NOW, THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF THE METROPOLITAN PLANNING ORGANIZATION FOR THE MIAMI URBANIZED AREA:

SECTION 1. That the Miami-Dade Transportation Plan to the Year 2025 as amended is hereby approved.

SECTION 2. That the Miami-to-Miami-Beach premium transit connection be advanced from Priority III to Priority II.

The foregoing resolution was offered by Chairperson Gwen Margolis, who moved its adoption. The motion was seconded by Board Member Arthur E. Teele, Jr., and upon being put to a vote, the vote was as follows:

Board Member Miriam Alonso	- Absent	Board Member Dennis C. Moss	- Aye
Board Member Bruno A. Barreiro	- Aye	Board Member Dorrin Rolle	- Absent
Board Member Barbara M. Carey-Shuler	- Absent	Board Member Natacha Seijas	- Absent
Board Member Joe J. Celestin	- Absent	Board Member Darryl K. Sharpton	- Aye
Board Member Betty T. Ferguson	- Aye	Board Member Jose Smith	- Aye
Board Member Perla T. Hantman	- Absent	Board Member Katy Sorenson	- Absent
Board Member William H. Kerdyk	- Absent	Board Member Rebeca Sosa	- Aye
Board Member M. Ronald Krongold	- Aye	Board Member Javier D. Souto	- Aye
Board Member Joe A. Martinez	- Absent	Board Member Arthur E. Teele, Jr.	- Aye
Board Member Raul L. Martinez	- Aye	Chairperson Gwen Margolis	- Aye
Board Member Jimmy L. Morales	- Aye		

The Chairperson thereupon declared the resolution duly passed and approved this 6th day of December, 2001.

METROPOLITAN PLANNING ORGANIZATION
M.P.O.

By _____
Jose-Luis Mesa
MPO Secretariat

Appendix S

MPO Subcommittee Agendas

T RANSPORTATION
P LANNING
C OUNCIL

of the Miami-Dade Metropolitan Planning Organization

Voting Members

José-Luis Mesa
MPO Secretariat
Chairperson

Danny Alvarez
Transit

Subrata Basu
Dade League of Cities

Angela Gittens
Aviation

James J. Dillard
Miami-Dade County Public Schools

Gary Donn
Florida Department of Transportation

Lee R. Feldman
City of North Miami

Ernest W. Horsley
City of Hialeah

Joseph W. Johnson III
City of Miami Beach

John Martinez
Florida Department of Transportation

Dennis Newjahr
Tri-County Commuter Rail Authority

Bruce Offord
Florida Department of Environmental Protection

Diane O'Quinn-Williams
Department of Planning & Zoning

Servando M. Parapar
Miami-Dade Expressway Authority

John Renfrow
Department of Environmental Resources Management

Ari Rivera
Public Works

Charles A. Towsley
Seaport

Clark P. Turner
City of Miami
****

Contact:
Miami-Dade MPO
111 NW First Street
Suite 910
Miami, FL 33128

Phone: (305) 375-4507
Fax: (305) 375-4950
E-mail: mpo@co.miami-dade.fl.us

Website:www.co.miami-dade.fl.us/mpo/

MEETING OF MONDAY, SEPTEMBER 10, 2001
2:00 P.M.

STEPHEN P. CLARK CENTER
18TH FLOOR CONFERENCE ROOM 18-4

AGENDA

I. APPROVAL OF AGENDA

II. APPROVAL OF MINUTES:

**** MEETING OF JULY 16, 2001***

III. CTAC UPDATE

IV. ACTION ITEMS:

A. FY 2002-2006 TIP AMENDMENT
RESOLUTION RECOMMENDING APPROVAL OF AN AMENDMENT TO THE FY 2002-2006 TIP TO MODIFY PROJECT DESCRIPTION FOR PATHS ALONG SAFE ROUTES TO SCHOOLS

B. FY 2002-2006 TRANSPORTATION IMPROVEMENT PROGRAM (TIP) AMENDMENT
RESOLUTION RECOMMENDING APPROVAL OF AN AMENDMENT TO THE FY 2002-2006 TO REASSIGN APPROVED FUNDING ALLOCATION FROM FY 1999 TO FY 2002 FOR THE METROMOVER/BAYSIDE PROMENADE PROJECT

C. FY 2002-2006 TIP AMENDMENT
RESOLUTION RECOMMENDING APPROVAL OF AN AMENDMENT TO THE FY 2002-2006 TIP TO CHANGE FUNDING ALLOCATION FOR THE KROME AVENUE AT SW 8TH STREET SAFETY PROJECT

D. FY 2002-2006 TIP AMENDMENT
RESOLUTION RECOMMENDING APPROVAL OF AN AMENDMENT TO THE FY 2002-2006 TRANSPORTATION IMPROVEMENT PROGRAM PRIVATE SECTOR SECTION TO INCLUDE THE WIDENING OF KENDALL DRIVE FROM 162ND AVENUE TO 167TH AVENUE

E. FY 2002-2006 TIP AMENDMENT
RESOLUTION RECOMMENDING APPROVAL OF AN AMENDMENT TO THE FY 2002-2006 TIP TO INCLUDE A FEASIBILITY STUDY TO ANALYZE IMPACTS OF EXTENDING THE METRORAIL SOUTH LINE FROM CURRENT TERMINUS AT DADELAND TO SW 104 STREET

F. FY 2002-2006 TIP AMENDMENT
RESOLUTION RECOMMENDING APPROVAL OF AN AMENDMENT TO THE FY 2002-2006 TIP TO INCLUDE A MAJOR INVESTMENT STUDY FOR THE NORTHEAST TRANSIT CORRIDOR FROM DOWNTOWN MIAMI TO THE BROWARD COUNTY LINE

G. TRANSPORTATION ENHANCEMENTS PROGRAM PRIORITIES
RESOLUTION RECOMMENDING APPROVAL OF PROJECT RANKINGS FOR THE TRANSPORTATION ENHANCEMENT PROGRAM

H. FY 2002 UPWP PROGRESS REPORT
RESOLUTION APPROVING THE FY 2002 UNIFIED PLANNING WORK PROGRAM (UPWP) FOURTH QUARTERLY PROGRESS REPORT FOR SUBMISSION TO FUNDING AGENCIES

V. INFORMATION ITEMS:

A. CITY OF CORAL GABLES CIRCULATOR SYSTEM STUDY

B. YEAR 2025 LONG RANGE PLAN: STATUS REPORT

C. YEAR 2025 LONG RANGE PLAN AIR QUALITY CONFORMITY DETERMINATION UPDATE

D. TRAFFIC RADIO FEASIBILITY STUDY

E. MIAMI/MIAMI BEACH TRANSPORTATION CORRIDOR STUDY: STATUS REPORT

F. REGIONAL TRANSPORTATION AUTHORITY LEGISLATION

G. MPO TRANSPORTATION SAFETY COMMITTEE: STATUS REPORT

VI. ADJOURNMENT

JOINT MEETING

TRANSPORTATION PLANNING TECHNICAL ADVISORY COMMITTEE (TPTAC)

AND

TRANSPORTATION IMPROVEMENT PROGRAM DEVELOPMENT COMMITTEE (TIP)

WEDNESDAY, SEPTEMBER 26, 2001 AT 10:00 A.M.
12TH FLOOR CONFERENCE ROOM
STEPHEN P. CLARK CENTER
111 NW FIRST STREET

AGENDA ITEM

FLORIDA DEPARTMENT OF TRANSPORTATION 5 YEAR WORK PROGRAM*****

2025 LONG RANGE TRANSPORTATION PLAN AIR QAULITY CONFORMITY DETERMINATION REPORT AND NEWSLETTER*****

**INFORMATION WILL BE PROVIDED AT THE MEETING*

Please be advised that due to new security procedures implemented,
you must have proper picture identification to be allowed in the building.

T RANSPORTATION
P LANNING
C OUNCIL

of the Miami-Dade Metropolitan Planning Organization

Voting Members

José-Luis Mesa
MPO Secretariat
Chairperson

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Transit

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Contact:
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Fax: (305) 375-4950
E-mail: mpo@co.miami-dade.fl.us

Website:www.co.miami-dade.fl.us/mpo/

MEETING OF MONDAY, OCTOBER 15, 2001
2:00 P.M.

STEPHEN P. CLARK CENTER
18TH FLOOR CONFERENCE ROOM 18-4

AGENDA

I. APPROVAL OF AGENDA

II. APPROVAL OF MINUTES:

**** MEETING OF SEPTEMBER 10, 2001***

III. CTAC UPDATE

IV. ACTION ITEMS:

A. FY 2002-2006 TRANSPORTATION IMPROVEMENT PROGRAM (TIP) AMENDMENT
RESOLUTION RECOMMENDING APPROVAL OF AN AMENDMENT TO THE FY 2002-2006 TRANSPORTATION IMPROVEMENT PROGRAM (TIP) TO REASSIGN APPROVED FUNDING ALLOCATION FROM FY 1999 TO FY 2002 FOR THE METROMOVER/BAYSIDE PROMENADE PROJECT

B. YEAR 2025 LONG RANGE TRANSPORTATION PLAN
RESOLUTION RECOMMENDING APPROVAL OF THE MIAMI-DADE TRANSPORTATION PLAN TO THE YEAR 2025

C. YEAR 2025 LONG RANGE TRANSPORTATION PLAN / AIR QUALITY CONFORMITY DETERMINATION
RESOLUTION RECOMMENDING APPROVAL OF THE MIAMI-DADE TRANSPORTATION PLAN TO THE YEAR 2025 AIR QUALITY CONFORMITY DETERMINATION REPORT AND REDETERMINATION OF CONFORMITY FOR THE 2002-2006 TRANSPORTATION IMPROVEMENT PROGRAM

D. FDOT TENTATIVE FIVE YEAR WORK PROGRAM
RESOLUTION RECOMMENDING ENDORSEMENT OF THE FLORIDA DEPARTMENT OF TRANSPORTATION FY 2003-2007 TENTATIVE WORK PROGRAM

E. MUNICIPAL GRANT PROGRAM
RESOLUTION RECOMMENDING AWARD OF TRANSPORTATION PLANNING FUNDS FOR STUDIES THROUGH THE MUNICIPAL GRANT PROGRAM

F. INTERLOCAL AGREEMENT

RESOLUTION RECOMMENDING APPROVAL OF AN INTELOCAL AGREEMENT BETWEEN THE CENTER FOR URBAN TRANSPORTATION RESEARCH (CUTR) AND TO METROPOLITAN PLANNING ORGANIZATION (MPO) TO DEVELOP A PLAN FOR BICYCLE PARKING AT METRO DADE TRANSIT FACILITIES

V. INFORMATION ITEMS:

A. CITY OF MIAMI BEACH ELECTROWAVE LONG RANGE PLAN

B. FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) COUNTY INCENTIVES GRANT PROGRAM FOR FISCAL YEAR 2002/03

C. PUBLIC INVOLVEMENT MANAGEMENT TEAM: STATUS REPORT

D. SOUTH FLORIDA REGIONAL TRANSPORTATION SUMMIT

VI. ADJOURNMENT

TRANSPORTATION PLANNING
TECHNICAL ADVISORY COMMITTEE (TPTAC)

MEETING OF WEDNESDAY, OCTOBER 10, 2001
10:00 A.M.
18th FLOOR CONFERENCE ROOM # 1

Stephen P. Clark Center
111 NW First Street

AGENDA

A. FDOT TENTATIVE 5 YEAR WORK PROGRAM *****

B. YEAR 2025 LONG RANGE TRANSPORTATION PLAN (LRTP)

C. YEAR 2025 LONG RANGE TRANSPORTATION PLAN AIR QUALITY CONFORMITY DETERMINATION

D. SOUTH FLORIDA REGIONAL TRANSPORTATION SUMMIT

E. PUBLIC/PRIVATE PARTNERSHIP FOR TRANSPORTATION

***** DOCUMENT TO BE DISTRIBUTED AT THE MEETING

Appendix T

Agency Comments on Draft CDR

FDOT Comments

-----Original Message-----
From: ken.jeffries@dot.state.fl.us [mailto:ken.jeffries@dot.state.fl.us]
Sent: Tuesday, November 13, 2001 7:38 AM
To: RCF@co.miami-dade.fl.us; rdelrio@broward.org;
oalaschkar@broward.org; plarsen@co.palm-beach.fl.us
Subject: FDOT Guidance on Using MOBILE5a to Estimate 2025 Emissions

See the e-mail below. At the meeting on 11/9/2001, I remember Kurt said, he would send a memo, regarding the use of Mobile 5a to estimate the 2025 emissions. Please let me know if you receive the memo.

Include the "blue" paragraph in your respective CDR's.

Kenneth Jeffries
Office of Planning
FDOT, District 6
305.377.5683
305.377.5684 (fax)
----- Forwarded by Ken Jeffries/D6/FDOT on 11/13/01 07:20 AM -----

Kurt Eichin
11/09/01 02:13 PM

To: Christopher S Dube/D6/FDOT@FDOT, Ken Jeffries/D6/FDOT@FDOT, Shi-Chiang Li/D4/FDOT@FDOT, Daniel Lamb/D7/FDOT@FDOT, Imran Ghani/D2/FDOT@FDOT, Lee Royal/D7/FDOT@FDOT, Larry Hymowitz/D4/FDOT@FDOT, Joye Brown/D2/FDOT@FDOT

cc: Richard.McElveen@dep.state.fl.us, Harry Gramling/CO/FDOT@FDOT, Aspy.Dale@epamail.epa.gov, Benjamin.Lynorae@epamail.epa.gov, erik.steavens@fhwa.dot.gov, Robert A Magee/CO/FDOT@FDOT

Subject: FDOT Guidance on Using MOBILE5a to Estimate 2025 Emissions

As you are probably aware, the delay in the release of MOBILE6 emissions estimation model has somewhat complicated the process for projecting emissions for the year 2025. The simple fix, which most of you have probably already implemented, is to use MOBILE5a emission rates with the analysis year set to 2020 (in the MOBILE.25x script file) when analyzing the 2025 horizon year travel impacts. This approach is supported by both the Florida Department of Environmental Protection and the U.S. Environmental Protection Agency. The FDOT Procedure 525-010-014-g "District Review of Conformity Determinations" will not be revised to reflect this adopted methodology due to the pending release of MOBILE6. However, this email serves to notify you of the official FDOT support of this approach.

Even though EPA is aware of MOBILE5a limitations, to avoid unnecessary delays in processing CDRs, please include verbiage describing the limitation of 5a and why 2020 factors (will be reported in the EMIS.OUT file) were applied to 2025 traffic volumes (VMT).

Sample language for insertion into your Conformity Determination Report's methodology section:

> Due to the inability of the current EPA-approved emissions estimating model (MOBILE5a) to adequately accommodate projections for the horizon year, the 2025 emissions were derived by applying the 2020 emission rates to the 2025 VMT. The estimated emissions will greatly exceed those calculated by MOBILE6 when it is officially released.

On a related note, if EPA Factsheet adjustments were also applied, the CDR should note this with as well. Sample language follows:

> In addition, the emission factor adjustments provided by the application of MOBILE5 Fact Sheets 5, 6 and 8 were used.

Please don't hesitate to contact me if you have questions, comments, or concerns.

Kurt Eichin
Office of Policy Planning
Florida Department of Transportation
(850)414-4819 SunCom 994-4819

-----Original Message-----
From: ken.jeffries@dot.state.fl.us [mailto:ken.jeffries@dot.state.fl.us]
Sent: Tuesday, November 13, 2001 4:17 PM
To: RCF@co.miami-dade.fl.us
Cc: rafael.dearazoza@dot.state.fl.us; christopher.dube@dot.state.fl.us
Subject: Draft Air Quality CDR - Comments (FDOT - District 6)

Carlos:

District 6 offers the following comments of Draft CDR, submitted Nov. 6, 2001:

1. Item 6 - The CDR should document the MPO subcommittee's endorsement of the CDR, not just the LRTP. Provide the subcommittee agenda's and meeting dates, requesting endorsement.

2. Item 11 - In the previous CDR some of these projects were partially or wholly CMAQ funded. Identify which projects are CMAQ funded and which are not.

3. Provide a map of the 2025 network of the model, with annotation.

4. Provide separate maps (with annotation) for each priority year I, II, III, and IV, based on the YEAR when the projects will be open to traffic, not the year of funding.

5. Discuss "open to traffic" assumptions in Appendix C. Include in the table headings for each priority the span of years. Example "Priority II Projects Year XXXX thru XXXX. Also, include year each project is expected to be open traffic.

6. Item 15 - Include all IMAQ meeting dates held in 2001etc...and the 2002 IMAQ meeting schedule.
7. Item 19 - Include language that the CDR was made available to agencies for review on Nov. 6, 2001.

8. Include all comments by FHWA, District 6, and any other agency or group in Item 13.

9. Document if EPA Fact Sheets 5 and 6 were used or not used.

10. Use bookmarks for the final electronic version (PDF) of the CDR. This will allow the reader to navigate to the different sections.

11. Item 32 - page 9 references "Exhibit 4" is correct? Do you mean Section 4?

Kenneth Jeffries
Office of Planning
FDOT, District 6
305.377.5683
305.377.5684 (fax)

FHWA / FTA Comments

Miami-Dade County MPO
Year 2025 LRTP
Draft Air Quality Conformity Determination Report

Based on the draft CDR version received on Wednesday, November 7, 2001, FHWA, offers the following comments:

1. Without having the opportunity to review the draft LRTP at the same time with the CDR, there will be assumption that the project descriptions are the same in both documents.

2. Please clarify in the CDR the date that it was made available to the public?

3. Item 6 - When the TPTAC and TPC reviewed the LRTP did it include the conformity determination?

4. Item 11- Are there are CMAQ projects listed as TCMs? If so, they should be listed.

5. Item 15- The CDR mentions coordination with the Broward MPO. Has there been any coordination with Palm Beach MPO? It would be helpful is there were a description about the Inter-MPO meetings.

6. Item 19- What were the dates of the beginning of the public comment period and when the draft plan and CDR were provided to the public and agencies for review?

7. Item 28- The CDR does not document the latest planning assumptions.

8. Appendix C is a list of project for the Year 2025 Plan. The Priority I, II , and III Tables should be explained. It is difficult to determine which projects are for the outer years (i.e. 2015, 2020 and 2025). There are no WPI numbers for the Priority I projects (TIP FY 2002-2006).

-----Original Message-----
From: Martin, Elizabeth (TRO-04) [mailto:Elizabeth.Martin@fta.dot.gov]
Sent: Tuesday, November 13, 2001 2:48 PM
To: Roa, Carlos (MPO)
Subject: RE: Draft Miami-Dade County 2025 Transportation Plan CDR

My only comment is that the Miccosukee Indian Tribe should be under a separate heading, "Tribal governement", and not under the "Federal Entitity" heading.