

BUSES INVOLVED IN FATAL ACCIDENTS CODEBOOK 2004

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(Version May 16, 2007)

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16. Abstract This report provides documentation for UMTRI's file of Buses Involved in Fatal Accidents (BIFA), 2004, including distributions of the code values for each variable in the file. The 2004 BIFA file is a census of all buses involved in a fatal accident in the United States. The BIFA database provides coverage of buses recorded in the Fatality Analysis Reporting System (FARS) file. BIFA combines vehicle, accident, and occupant records from FARS with information about the physical configuration and operating authority of the bus from the BIFA survey.					
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The BIFA survey is conducted by the Center for National Truck and Bus Statistics at the University of Michigan Transportation Research Institute with support from the Federal Motor Carrier Safety Administration. The National Highway Traffic Safety Administration's National Center for Statistics and Analysis and FARS analysts in the states provided assistance in acquiring police reports from the respective states. We are sincerely grateful for their efforts.

INTRODUCTION

Overview

This report documents the May 16, 2007 version of the Buses Involved in Fatal Accidents, 2004, dataset. The report summarizes all the information in the computerized data file. That file contains records for all the buses that were involved in a fatal accident in the United States during calendar year 2004. A bus is defined as a vehicle designed to carry at least nine people, including the driver, that is not used for personal transportation. All the vehicles included in the BIFA file are from Version 14Oct05, 2005, of the Fatality Analysis Reporting System (FARS) file for 2004 accidents, developed by the National Highway Traffic Safety Administration (NHTSA).

The BIFA database combines CNTBS survey data with FARS variables to provide complete national coverage and an enhanced description of all buses involved in fatal traffic accidents in the United States. The purpose of the BIFA file is to provide accurate and complete information on the fatal accident experience of buses nationwide to support the evaluation of bus traffic safety issues.

While the FARS file includes much information on the accident environment and events, the information on the vehicles involved, particularly buses, is limited. The BIFA survey supplements the FARS file with a detailed description of each bus and its operator. The BIFA survey collects information about the physical configuration of the bus, the type of organization operating the bus, and the type of application the bus was used for. In addition, the BIFA survey determines the seating capacity of the bus; its weight, length, and width; the number of passengers at the time of the crash; and several other details of the operations of the bus. (The BIFA survey instrument may be found in the appendix of this codebook.) The combination of the FARS accident-level variables with the physical description of the bus from the BIFA survey provides the most detailed account of buses involved in fatal accidents available.

The 2004 BIFA file is a census file, including every bus identifiable in the FARS file. This codebook presents the code levels and frequency distributions for each variable in the BIFA file.

The dataset includes virtually all the variables from the public version of the FARS file: the accident variables, the vehicle variables (for the bus), and the occupant variables (for the driver of the bus). All records in the BIFA file are at the vehicle level; that is, there is one record for each bus involved.

In addition to the variables from FARS (variables 1 through 363), there is a set of variables (numbers 1110 through 1870) that contains the information collected by the BIFA survey. This information is produced from telephone interviews with the owner, driver, or some other involved party. In cases where the information could not be obtained from a respondent, it may be transcribed from police reports collected from the states.

In a typical year, a small number of police reports involving fatal bus crashes are not available. For all of these cases, an attempt is made to match the FARS case to the Motor Carrier Management Information System (MCMIS) case using date, time, and vehicle information. The MCMIS file usually contains contact information for both owner and investigating officer. These data are used to obtain information when possible. Only those cases where the match is certain are pursued. For the 2004 BIFA data year all police reports were available, so this additional step was not necessary.

Missing data rates for BIFA survey variables vary. The range of missing data values is illustrated by the following examples. Bus type (variable 1180) was determined for all of the 307 cases. Trip type (variable 1380) is unknown for 38 (12.4%) cases. Gross vehicle weight rating (GVWR, variable 1240) could not be determined with certainty for 58 (18.9%) cases. GVWR is most often obtained by decoding the Vehicle Identification Number (VIN). In some cases, GVWR information was furnished by primary respondents and, if plausible, accepted. In other cases, a GVWR determination was based on familiarity with vehicle type. Cases for which the GVWR variable could not be decoded from the VIN or determined with certainty were coded as unknown.

Sources of Information

The first step in the acquisition of the data to supplement FARS is to obtain, from the states, copies of the police reports on all fatal accidents involving at least one bus. While the formats of these reports vary considerably from state to state, they all identify the owner and the driver of the vehicles involved (though some states remove this information) and a description, sometimes very brief, of what occurred. These police reports are used to identify the appropriate respondent to contact and to check responses for accuracy. As mentioned earlier, police reports were available for all 2004 cases.

Information is collected primarily by telephone interviews. The person or company contacted is, when possible, the owner of the vehicle as listed in the police report. If no contact can be made with the owner, an attempt is made to reach the driver. If neither the owner nor the driver can be reached, as much information as possible is collected from other parties, such as the police officer who investigated the accident or the tow truck operator if the vehicle was towed from the scene. Finally, if no knowledgeable respondent can be found, as much information as possible is coded from the police report. For these cases, variable 1830, which documents whether an interview was conducted, is coded "no," and variable 1840, police report, is coded "yes."

CNTBS survey staff are specially trained to collect the BIFA data. The training includes information on the types and uses of different buses, methods for locating knowledgeable respondents, and the different terms used in different industry segments and areas. Unlike many phone surveys in which questions are read from a script, the BIFA interview depends in large part on the knowledge of the CNTBS researchers. The extensive training about buses enables them to probe intelligently and effectively for the required information.

An experienced editor reviews each BIFA case. The editor decodes the VINs and reviews the bus description obtained in the interview for consistency and accuracy. The editor compares the description of each bus obtained by the survey with manufacturers' specifications and other materials. These materials include chassis and body specifications for many bus makes and models, as well as typical passenger seating configurations for different bus types and applications.

All modifications to survey responses are indicated in variables 1861 through 1870. Imputations made by the editor to fill in missing data elements are also indicated there. The numbers coded in these variables are the question numbers on the interview form. For example, a "16" in variable 1862 indicates that the second item corrected or derived for that particular case was the response to question 16 on the interview form. There is no particular pattern to the order in which such modifications are indicated. Derivations were made when the editor was able to deduce a piece of information to fill in something missing on the interview form. For example, an empty weight might have been estimated for the bus by

decoding the VIN to identify the model, consulting the manufacturer's specifications for the cab and chassis weight, and then adding the appropriate amount for the body.

Number of Cases

There are 302 vehicles that are identified as a bus in one or more variables in the 2004 FARS file (version 14Oct05). However, some of these vehicles were subsequently found to be non-passenger carrying vehicles. These included motor home conversions, cargo vehicle conversions, small mini vans, etc. Altogether four cases were determined to be something other than a bus. In addition, nine cases were identified during the TIFA interviewing process that proved to be buses, not trucks. These cases were not identified as buses in any FARS variable, but were only discovered because the CNTBS also surveys trucks involved in fatal accidents. Adding these nine cases to the 302 cases identified in FARS yields 311 vehicles. Subtracting the four vehicles incorrectly identified in FARS as a bus leaves 307, which is the number of buses involved in fatal traffic accidents in 2004.

Format of Codebook

This codebook provides frequency distributions of all variables and code levels in the BIFA 2004 data file. "Variable" (such as V19) is the name of the variable in the SAS data file. "Name" (e.g. Route Signing) is the descriptive title corresponding to the FARS or BIFA variable. "Format" refers to the name of the SAS format associated with the variable. "Type" describes the storage type of the variable. Data are stored either as Numeric or Char (character) data. "Length" is the SAS storage length in bytes for the variable.

Obtaining Information from the Dataset

This report provides counts and distributions of the code values for each variable in the BIFA file. These tabulations are useful for understanding the variables available in the file, the completeness of the data, and the number of cases with any specific code value.

Many research questions require more detailed cross-classification of the data. The staff of the Center for National Truck and Bus Statistics at UMTRI is pleased to make appropriate runs for outside users. Requests for consultation on and analysis of the data are welcome and may be addressed to Daniel Blower at (734) 764-0248. Finally, while every effort has been made to check the accuracy of the data, the file may contain errors not yet detected.

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
FARS ACCIDENT VARIABLES

<u>Variable Number</u>	<u>Variable Name</u>	<u>Page Number</u>
v1	CASE STATE	1
v2	CASE NUMBER	2
v7	CITY	2
v8	COUNTY	2
v9	ACCIDENT DATE - MONTH	3
v10	ACCIDENT DATE - DAY	3
v11	ACCIDENT DATE - YEAR	3
v12	ACCIDENT TIME - HOUR	3
v13	ACCIDENT TIME - MINUTE	4
v14	NUMBER OF VEHICLE FORMS	4
v15	NUMBER OF PERSON FORMS	5
v16	LAND USE	5
v17	NATIONAL HIGHWAY SYSTEM	6
v18	ROADWAY FUNCTION CLASS	6
v19	ROUTE SIGNING	7
v20	TRAFFICWAY IDENTIFIER #1	7
v20_2	TRAFFICWAY IDENTIFIER #2	7
v21	MILEPOINT	7
v22	SPECIAL JURISDICTION	8
v23	FIRST HARMFUL EVENT	8
v24	MANNER OF COLLISION	10
v25	RELATION TO JUNCTION	11
v26	RELATION TO ROADWAY	11
v27	TRAFFICWAY FLOW	12
v28	NUMBER OF TRAVEL LANES	12
v29	SPEED LIMIT	12
v30	ROADWAY ALIGNMENT	13
v31	ROADWAY PROFILE	13
v32	ROADWAY SURFACE TYPE	13
v33	ROADWAY SURFACE CONDITION	14
v34	TRAFFIC CONTROL DEVICE	14
v35	TRAFFIC CONT FUNCTIONING	15
v36	HIT AND RUN	16
v37	LIGHT CONDITION	16
v38	ATMOSPHERIC CONDITIONS	16
v39	CONSTRUCTION/MAINT ZONE	16
v40	EMS NOTIFIED - HOUR	17
v41	EMS NOTIFIED - MINUTE	17
v42	EMS ARRIVAL - HOUR	17
v43	EMS ARRIVAL - MINUTE	18
v46	SCHOOL BUS RELATED	18
v48	RAIL GRADE CROSSING ID	18
v49	NUMBER FATALITIES IN ACC	18
v50	DAY OF WEEK	19
v51	NUMBER DRINKING DRIVERS	19
v52	ACCIDENT DATE - JULIAN	19
v53	NUMBER UNINJURED IN ACC	19
v54	NUMBER C-INJURED IN ACC	20
v55	NUMBER B-INJURED IN ACC	20
v56	NUMBER A-INJURED IN ACC	21
v57	NUMBER K-INJURED IN ACC	21
v58	NUM UNK INJURED IN ACC	21

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
FARS ACCIDENT VARIABLES

<u>Variable Number</u>	<u>Variable Name</u>	<u>Page Number</u>
v59	ACC RELATED FACTORS #1.....	22
v60	ACC RELATED FACTORS #2.....	22
v61	ACC RELATED FACTORS #3.....	23

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
FARS VEHICLE VARIABLES

<u>Variable Number</u>	<u>Variable Name</u>	<u>Page Number</u>
v104	VEHICLE NUMBER	25
v107	NUMBER OF OCCUPANTS	25
v108	VEHICLE MAKE.....	26
v109	VEHICLE MAKE-MODEL.....	26
v110	BODY TYPE.....	27
v111	MODEL YEAR.....	28
v112	VIN	28
v123	REGISTRATION STATE.....	29
v124	REGISTERED VEHICLE OWNER	30
v125	ROLLOVER.....	30
v126	JACKKNIFE	31
v127	TRAVEL SPEED	31
v128	HAZARDOUS CARGO	31
v129	VEHICLE TRAILERING	31
v130	VEHICLE CONFIGURATION	32
v131	NUMBER OF AXLES	32
v132	CARGO BODY TYPE	32
v133	SPECIAL USE.....	33
v134	EMERGENCY USE.....	33
v135	IMPACT POINT - INITIAL	33
v136	IMPACT POINT - PRINCIPAL	34
v137	EXTENT OF DEFORMATION	34
v138	VEHICLE ROLE	34
v139	MANNER OF LEAVING SCENE	35
v140	FIRE OCCURRENCE	35
v142	VEHICLE MANEUVER	35
v143	CRASH AVOIDANCE MANUEVER.....	36
v144	MOST HARMFUL EVENT	36
v145	NUMBER OF DEATHS IN VEH.....	38
v151	VIN TRUCK FUEL CODE	39
v152	VIN TRUCK WEIGHT CODE.....	39
v153	VIN TRUCK SERIES.....	39
v155	LENGTH OF VIN.....	39
v156	NUMBER UNINJURED IN VEH.....	40
v157	NUMBER C-INJURED IN VEH	40
v158	NUMBER B-INJURED IN VEH	41
v159	NUMBER A-INJURED IN VEH	41
v160	NUMBER K-INJURED IN VEH	42
v161	NUM UNK INJURED IN VEH.....	42
v162	VEH RELATED FACTORS #1.....	42
v163	VEH RELATED FACTORS #2.....	43
v164	UNDERRIDE/OVERRIDE.....	43
v170	MOTOR CARRIER ID	44
v171	BUS USE	44
v172	GROSS WEIGHT RATING-GVWR.....	45
v173	EVENT #1	45
v174	EVENT #2	46
v175	EVENT #3	47
v176	EVENT #4	47
v177	EVENT #5	48
v178	EVENT #6	48

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
FARS VEHICLE VARIABLES

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
FARS DRIVER VARIABLES

<u>Variable Number</u>	<u>Variable Name</u>	<u>Page Number</u>
v207	DRIVER PRESENCE.....	49
v208	DRIVER DRINKING	49
v209	LICENSE STATE	49
v210A	NON-CDL LICENSE TYPE.....	50
v210B	NON-CDL LICENSE STATUS.....	51
v211	LICENSE CLASS COMPLIANCE.....	51
v212	CDL LICENSE STATUS	51
v213	LICENSE ENDORSEMENTS	52
v214	LICENSE RESTRICTIONS MET	52
v216	NUMBER OF PREV ACCIDENTS.....	52
v217	NUMBER PREV SUSPENSIONS.....	53
v218	NUMBER OF PREV DWI CONV	53
v219	NUM PREV SPEEDING CONV	53
v220	NUM PREV OTHER MV CONV.....	53
v221	LAST ACCIDENT - MONTH	54
v222	LAST ACCIDENT - YEAR.....	54
v223	FIRST ACCIDENT - MONTH.....	54
v224	FIRST ACCIDENT - YEAR	55
v227	DRIVER RELATED FACTORS#1.....	55
v228	DRIVER RELATED FACTORS#2.....	58
v229	DRIVER RELATED FACTORS#3.....	58
v230	DRIVER RELATED FACTORS#4.....	59
v231	VIOLATIONS CHARGED#1	59
v232	VIOLATIONS CHARGED#2	61
v233	VIOLATIONS CHARGED#3	62
v235	DRIVER HEIGHT (INCHES).....	612
v236	DRIVER WEIGHT	62

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
FARS DRIVER VARIABLES

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
FARS OCCUPANT VARIABLES

<u>Variable Number</u>	<u>Variable Name</u>	<u>Page Number</u>
v306	OCCUPANT NUMBER	63
v308	OCCUPANT AGE	63
v309	OCCUPANT SEX	64
v310	OCCUPANT TYPE	65
v311	OCC SEATING POSITION	65
v312	RESTRAINT SYSTEM USE	65
v313	AIR BAG AVAIL/FUNCTION	65
v314	OCCUPANT EJECTION	66
v315	EJECTION PATH	66
v316	OCCUPANT EXTRICATION	66
v321	DRUG INVOLVEMENT	67
v322	DRUG DETERMINATION	67
v323	DRUG TEST TYPE #1	67
v324	DRUG TEST RESULTS #1	68
v325	DRUG TEST TYPE #2	68
v326	DRUG TEST RESULTS #2	68
v327	DRUG TEST TYPE #3	68
v328	DRUG TEST RESULTS #3	69
v329	OCCUPANT INJURY SEVERITY	69
v330	OCC TAKEN TO HOSPITAL	69
v331	OCC DEATH DATE - MONTH	70
v332	OCC DEATH DATE - DAY	70
v333	OCC DEATH DATE - YEAR	70
v334	OCC DEATH TIME - HOURS	70
v335	OCC DEATH TIME - MINUTES	71
v336	LAG TIME ACC/DEATH - HRS	71
v342	OCC FATAL INJURY AT WORK	71
v345	OCC ALCOHOL INVOLVEMENT	71
v346	OCC METH ALC DETERMINAT	72
v347	ALCOHOL TEST TYPE	72
v348	OCC ALCOHOL TEST RESULT	72
v361	RACE	73
v362	HISPANIC ORIGIN	73
v363	OCC DEAD ON ARRIVAL	74

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
FARS OCCUPANT VARIABLES

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
SURVEY VARIABLES

<u>Variable Number</u>	<u>Variable Name</u>	<u>Page Number</u>
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v1120	FINAL-STAGE MANUFACTURER	75
v1130	MODEL YEAR	76
v1140	FRONT OF BUS	76
v1150	ENGINE LOCATION	77
v1160	FUEL TYPE	77
v1170	BUS MODEL	77
v1180	BUS TYPE	77
v1190	DESCRIPTION OF BUS	78
v1200	NUMBER OF AXLES	79
v1210	BODY STYLE	79
v1220	PASSENGER SEATING CAPACITY	79
v1230	NUMBER OF PASSENGERS	80
v1240	GROSS VEHICLE WEIGHT RATING	82
v1250	EMPTY WEIGHT	82
v1260	LENGTH	82
v1270	WIDTH	83
v1280	GENERAL PASSENGER RESTRAINT	83
v1290	SPECIAL NEEDS RESTRAINT	83
v1310	DESCRIPTION OF OPERATING	84
v1320	FLEET SIZE	85
v1330	NUMBER OWNED	85
v1340	NUMBER LEASED	85
v1350	BUS OPERATOR TYPE	85
v1360	AREA OF OPERATION	86
v1370	OPERATING AUTHORITY	86
v1380	TRIP TYPE	86
v1410	ROLLOVER	86
v1420	DIRECTION OF ROLL	87
v1430	NUMBER OF QUARTER TURNS	87
v1510	HOURS OF DRIVING	87
v1520	COMPENSATION-HOURLY	88
v1530	COMPENSATION-MILEAGE	88
v1540	COMPENSATION-TIPS	88
v1550	COMPENSATION-PERCENT REVENUE	88
v1560	COMPENSATION-SALARY	88
v1570	COMPENSATION-DRIVER OWNER	89
v1580	COMPENSATION-DRIVER VOLUNTEER	89
v1590	COMPENSATION-DRIVER PRIMARY EMP	89
v1600	COMPENSATION-OTHER	89
v1610	DESCRIPTION OF COMPENSATION	89
v1710	ACCIDENT TYPE	90
v1720	PEDESTRIAN FATALITY	90
v1830	INTERVIEW CONDUCTED	91
v1840	POLICE REPORT	91
v1850	FAX/MAIL	91
v1861	1ST QUESTION DERIVED	91
v1862	2ND QUESTION DERIVED	92
v1863	3RD QUESTION DERIVED	92
v1864	4TH QUESTION DERIVED	92
v1865	5TH QUESTION DERIVED	92
v1866	6TH QUESTION DERIVED	92

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
SURVEY VARIABLES

<u>Variable Number</u>	<u>Variable Name</u>	<u>Page Number</u>
v1867	7TH QUESTION DERIVED	92
v1868	8TH QUESTION DERIVED	93
v1869	9TH QUESTION DERIVED	93
v1870	10TH QUESTION DERIVED	93

The ACCIDENT Variables

Variables 1 through 61 are the FARS variables that describe the accident.

Variable v1	Name CASE STATE	Format	Type Numeric	Length 3
<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>	
5	1.6	1	Alabama	
1	0.3	2	Alaska	
12	3.9	4	Arizona	
4	1.3	5	Arkansas	
37	12.1	6	California	
4	1.3	8	Colorado	
2	0.7	9	Connecticut	
2	0.7	10	Delaware	
1	0.3	11	District of Columbia	
26	8.5	12	Florida	
10	3.3	13	Georgia	
5	1.6	15	Hawaii	
1	0.3	16	Idaho	
6	2.0	17	Illinois	
3	1.0	18	Indiana	
4	1.3	19	Iowa	
3	1.0	20	Kansas	
5	1.6	21	Kentucky	
4	1.3	22	Louisiana	
1	0.3	23	Maine	
10	3.3	24	Maryland	
4	1.3	25	Massachusetts	
10	3.3	26	Michigan	
4	1.3	27	Minnesota	
2	0.7	28	Mississippi	
7	2.3	29	Missouri	
0	0.0	30	Montana	
1	0.3	31	Nebraska	
2	0.7	32	Nevada	
1	0.3	33	New Hampshire	
13	4.2	34	New Jersey	
4	1.3	35	New Mexico	
25	8.1	36	New York	
8	2.6	37	North Carolina	
0	0.0	38	North Dakota	
6	2.0	39	Ohio	
3	1.0	40	Oklahoma	
2	0.7	41	Oregon	
14	4.6	42	Pennsylvania	
0	0.0	43	Puerto Rico	
1	0.3	44	Rhode Island	

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
FARS ACCIDENT VARIABLES

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
6	2.0	45	South Carolina
0	0.0	46	South Dakota
7	2.3	47	Tennessee
18	5.9	48	Texas
4	1.3	49	Utah
0	0.0	50	Vermont
9	2.9	51	Virginia
0	0.0	52	Virgin Islands
2	0.7	53	Washington
2	0.7	54	West Virginia
6	2.0	55	Wisconsin
0	0.0	56	Wyoming

Variable	Name	Format	Type	Length
v2	CASE NUMBER	4	Numeric	8

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
1	0.3	2	
		-	Case number
1	0.3	3727	

Variable	Name	Format	Type	Length
v7	CITY		Numeric	4

CITY – GSA GEOGRAPHIC LOCATION CODE

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
122	39.7	0	Not applicable
0	0.0	1	
		-	GSA code
0	0.0	9996	
1	0.3	9997	Other

Variable	Name	Format	Type	Length
v8	COUNTY		Numeric	3

COUNTY – GSA GEOGRAPHIC LOCATION CODE

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
9	2.9	1	
		-	GSA code
2	0.7	810	

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
FARS ACCIDENT VARIABLES

Page 3

Variable v9	Name ACCIDENT DATE - MONTH	Format FACMONTH	Type Numeric	Length 3
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<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
28	9.1	1	January
32	10.4	2	February
27	8.8	3	March
23	7.5	4	April
32	10.4	5	May
17	5.5	6	June
13	4.2	7	July
24	7.8	8	August
21	6.8	9	September
20	6.5	10	October
36	11.7	11	November
34	11.1	12	December

Variable v10	Name ACCIDENT DATE - DAY	Format	Type Numeric	Length 3
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<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
6	2.0	1	
		-	Day of month
2	0.7	31	

Variable v11	Name ACCIDENT DATE - YEAR	Format	Type Numeric	Length 4
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<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
307	100.0	2004	2004

Variable v12	Name ACCIDENT TIME - HOUR	Format FACHOUR	Type Numeric	Length 3
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<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
5	1.6	0	12:01 am - 12:59 am
4	1.3	1	1:00 am - 1:59 am
1	0.3	2	2:00 am - 2:59 am
3	1.0	3	3:00 am - 3:59 am
8	2.6	4	4:00 am - 4:59 am
11	3.6	5	5:00 am - 5:59 am
12	3.9	6	6:00 am - 6:59 am
41	13.4	7	7:00 am - 7:59 am
17	5.5	8	8:00 am - 8:59 am

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
FARS ACCIDENT VARIABLES

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
13	4.2	9	9:00 am - 9:59 am
10	3.3	10	10:00 am - 10:59 am
11	3.6	11	11:00 am - 11:59 am
9	2.9	12	12:00 pm - 12:59 pm
17	5.5	13	1:00 pm - 1:59 pm
26	8.5	14	2:00 pm - 2:59 pm
39	12.7	15	3:00 pm - 3:59 pm
18	5.9	16	4:00 pm - 4:59 pm
9	2.9	17	5:00 pm - 5:59 pm
15	4.9	18	6:00 pm - 6:59 pm
7	2.3	19	7:00 pm - 7:59 pm
11	3.6	20	8:00 pm - 8:59 pm
8	2.6	21	9:00 pm - 9:59 pm
5	1.6	22	10:00 pm - 10:59 pm
7	2.3	23	11:00 pm - 11:59 pm
0	0.0	24	12:00 midnight
0	0.0	99	Unknown

Variable	Name	Format	Type	Length
v13	ACCIDENT TIME - MINUTE		Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
13	4.2	0	
		-	Minute
3	1.0	59	

Variable	Name	Format	Type	Length
v14	NUMBER OF VEHICLE FORMS	FVEHFORM	Numeric	3

NUMBER OF VEHICLES INVOLVED IN ACCIDENT

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
102	33.2	1	1 vehicle
156	50.8	2	2 vehicles
32	10.4	3	3 vehicles
11	3.6	4	4 vehicles
1	0.3	5	5 vehicles
2	0.7	6	6 vehicle
1	0.3	9	9 vehicles
1	0.3	13	13 vehicles
1	0.3	14	14 vehicles

Variable v15	Name NUMBER OF PERSON FORMS	Format FNUMPERS	Type Numeric	Length 3
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NUMBER OF PERSONS INVOLVED IN ACCIDENT

Does not include uninjured bus or railway train occupants

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
2	0.7	1	1 person
146	47.6	2	2 persons
35	11.4	3	3 persons
33	10.7	4	4 persons
9	2.9	5	5 persons
16	5.2	6	6 persons
6	2.0	7	7 persons
7	2.3	8	8 persons
14	4.6	9	9 persons
6	2.0	10	10 persons
2	0.7	11	11 persons
2	0.7	12	12 persons
3	1.0	13	13 persons
4	1.3	14	14 persons
4	1.3	15	15 persons
2	0.7	16	16 persons
2	0.7	17	17 persons
1	0.3	19	19 persons
2	0.7	20	20 persons
2	0.7	23	23 persons
1	0.3	28	28 persons
1	0.3	30	30 persons
1	0.3	32	32 persons
1	0.3	38	38 persons
1	0.3	40	40 persons
1	0.3	44	44 persons
1	0.3	45	45 persons
1	0.3	49	49 persons
1	0.3	50	50 persons

Variable v16	Name LAND USE	Format V16_F	Type Numeric	Length 3
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LAND USE – FHWA CLASSIFICATION

Recode of Roadway Function Class (V 18)

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
193	62.9	1	Urban area

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<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
113	36.8	2	Rural area
1	0.3	9	Unknown

Variable	Name	Format	Type	Length
v17	NATIONAL HIGHWAY SYSTEM	FNHS94F	Numeric	3

National Highway System (NHS) includes the entire Interstate System, and consists of principal arterial system routes and some Strategic Highway Network connectors functionally classified below principal arterial.

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
231	75.2	0	This section is not on the NHS
75	24.4	1	This section is on the NHS
1	0.3	9	Unknown if this section is on the NHS

Variable	Name	Format	Type	Length
v18	ROADWAY FUNCTION CLASS	FRFC87F	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
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Rural

20	6.5	1	Principal arterial - interstate
15	4.9	2	Principal arterial - other
32	10.4	3	Minor arterial
24	7.8	4	Major collector
7	2.3	5	Minor collector
15	4.9	6	Local road or street
0	0.0	9	Unknown rural

Urban

14	4.6	11	Principal arterial - interstate
11	3.6	12	Principal arterial - other freeways or expressways
57	18.6	13	Other principal arterial
47	15.3	14	Minor arterial
24	7.8	15	Collector
38	12.4	16	Local road or street
2	0.7	19	Unknown urban
1	0.3	99	Unknown

Variable	Name	Format	Type	Length
v19	ROUTE SIGNING	FRTSIGN	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
32	10.4	1	Interstate
39	12.7	2	U.S. highway
76	24.8	3	State highway
43	14.0	4	County road
			Local Street
22	7.2	5	Township
84	27.4	6	Municipality
0	0.0	7	Frontage road
10	3.3	8	Other
1	0.3	9	Unknown

Variable	Name	Format	Type	Length
v20	TRAFFICWAY IDENTIFIER #1		Char	20

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
1	0.3	1062	
		-	Roadway identifier
1	0.3	YUCCA	

Variable	Name	Format	Type	Length
v20_2	TRAFFICWAY IDENTIFIER #2		Char	20

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
1	0.3	166TH ST	
		-	Roadway identifier
1	0.3	WOODLAWN AVE	

Variable	Name	Format	Type	Length
v21	MILEPOINT		Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
120	39.1	0	None
3	1.0	1	
1	0.3	-	Actual to nearest .1 mile
1	0.3	4462	
39	12.7	99999	Unknown

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
FARS ACCIDENT VARIABLES

Variable v22	Name SPECIAL JURISDICTION	Format FSPECJUR	Type Numeric	Length 3
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<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
303	98.7	0	No special jurisdiction
1	0.3	1	National Park Service
0	0.0	2	Military
3	1.0	3	Indian reservation
0	0.0	4	College/University campus
0	0.0	5	Other Federal properties
0	0.0	8	Other
0	0.0	9	Unknown

Variable v23	Name FIRST HARMFUL EVENT	Format FFHE82F	Type Numeric	Length 3
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1st EVENT CAUSING INJURY/PROPERTY DAMAGE

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
5	1.6	1	Overturn/rollover
0	0.0	2	Fire/explosion
0	0.0	3	Immersion
0	0.0	4	Gas inhalation
0	0.0	5	Fell/jumped from vehicle
2	0.7	6	Injured in veh (other than cargo/equip loss/shift)
1	0.3	7	Other noncollision
84	27.4	8	Pedestrian
6	2.0	9	Pedalcycle
0	0.0	10	Railway train
0	0.0	11	Animal
194	63.2	12	Motor-vehicle in transport on same roadway
1	0.3	13	Motor-vehicle in transport on other roadway
2	0.7	14	Parked motor-vehicle (not in transport)
1	0.3	15	Nonmotorist on personal conveyance
0	0.0	16	Thrown/falling object (other than cargo/equip loss/shift)
0	0.0	17	Boulder
0	0.0	18	Other object (not fixed)
0	0.0	19	Building
0	0.0	20	Impact attenuator/crash cushion
0	0.0	21	Bridge pier or abutment
0	0.0	22	Bridge parapet end
0	0.0	23	Bridge rail
1	0.3	24	Guardrail face
2	0.7	25	Concrete traffic barrier
0	0.0	26	Other traffic barrier
1	0.3	27	Highway/traffic sign post/sign
0	0.0	28	Overhead sign support/sign

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
FARS ACCIDENT VARIABLES

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<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
0	0.0	29	Luminaire/light support
0	0.0	30	Utility pole
0	0.0	31	Other post, other pole or other supports
0	0.0	32	Culvert
1	0.3	33	Curb
0	0.0	34	Ditch
0	0.0	35	Embankment - earth
0	0.0	36	Embankment - rock, stone or concrete
1	0.3	37	Embankment - material type unknown
1	0.3	38	Fence
0	0.0	39	Wall
0	0.0	40	Fire hydrant
0	0.0	41	Shrubbery
1	0.3	42	Tree (standing tree only)
0	0.0	43	Other fixed object
0	0.0	44	Pavement surface irregularity (pothole, etc)
1	0.3	45	Working construction, maintenance or utility vehicles
0	0.0	46	Traffic signal support/signal
1	0.3	47	Vehicle occupant struck or run over by own vehicle
0	0.0	48	Snow bank
0	0.0	49	Ridden animal or animal-drawn conveyance
1	0.3	50	Bridge overhead structure
0	0.0	51	Jackknife (causing injury or damage)
0	0.0	52	Guardrail end
0	0.0	53	Mail box
0	0.0	54	Motor veh struck by falling/shifting cargo or anything set in motion by another motor veh in transport
0	0.0	60	Cargo/equipment loss or shift (causing injury or damage)
0	0.0	99	Unknown

The following list shows the code values given above grouped by collision type.

Noncollision Event

- 01=Overturn/rollover
- 02=Fire/explosion
- 03=Immersion
- 04=Gas inhalation
- 05=Fell/jumped from vehicle
- 06=Injured in vehicle (other than cargo/equipment loss or shift)
- 07=Other noncollision
- 16=Thrown or falling object (other than cargo/equipment loss or shift)
- 44=Pavement surface irregularity (pothole, grooved, grates)
- 47=Vehicle occupant struck or run over by own vehicle
- 51=Jackknife (causing injury or damage)
- 60=Cargo/equipment loss or shift (causing injury or damage)

Collision With Motor Vehicle

- 12=Motor vehicle in transport
- 13=Motor vehicle in transport in other roadway
- 14=Parked motor vehicle
- 45=Working construction, maintenance or utility vehicles

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
FARS ACCIDENT VARIABLES

54=Motor vehicle struck by falling/shifting cargo or anything set in motion by another motor vehicle in transport

Collision With Object Not Fixed

08=Pedestrian
09=Pedalcycle
10=Railway train
11=Animal
15=Nonmotorist on personal conveyance
18=Other object (not fixed)
49=Ridden animal or animal-drawn conveyance

Collision With Fixed Object

17=Boulder
19=Building
20=Impact attenuator/crash cushion
21=Bridge pier or abutment
22=Bridge parapet end
23=Bridge rail
24=Guardrail face
25=Concrete traffic barrier
26=Other traffic barrier
27=Highway/traffic sign post/sign
28=Overhead sign support/sign
29=Luminaire/light support
30=Utility pole
31=Other post, other pole or other supports
32=Culvert
33=Curb
34=Ditch
35=Embankment – earth
36=Embankment – rock, stone or concrete
37=Embankment – material type unknown
38=Fence
39=Wall
40=Fire hydrant
41=Shrubbery
42=Tree (standing tree only)
43=Other fixed object
46=Traffic signal support/signal
48=Collision with snow bank
50=Bridge overhead structure
52=Guardrail end
53=Mail box

Variable	Name	Format	Type	Length
v24	MANNER OF COLLISION	FCOLL02F	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
112	36.5	0	Not a collision with a motor-vehicle in transport
56	18.2	1	Front-to-rear (includes rear-end)
40	13.0	2	Front-to-front (includes head-on)
5	1.6	3	Angle - front-to-side, same direction

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
FARS ACCIDENT VARIABLES

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<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
28	9.1	4	Angle - front-to-side, opposite direction
57	18.6	5	Angle - front-to-side, right angle (including broadside)
1	0.3	6	Angle - front-to-side /angle - dir not specified
5	1.6	7	Sideswipe - same direction
2	0.7	8	Sideswipe - opposite direction
0	0.0	9	Rear-to-side
0	0.0	10	Rear-to-rear
1	0.3	11	Other (end-swipes and others)
0	0.0	99	Unknown

Variable	Name	Format	Type	Length
v25	RELATION TO JUNCTION	FJUNCT	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
Noninterchange			
152	49.5	1	Nonjunction
108	35.2	2	Intersection
37	12.1	3	Intersection related
3	1.0	4	Driveway, alley access, etc.
2	0.7	5	Entrance/exit ramp related
0	0.0	6	Rail grade crossing
0	0.0	7	Crossover-related
3	1.0	8	Driveway access related
0	0.0	9	Unknown, non-interchange
Interchange area			
0	0.0	12	Driveway access
2	0.7	15	Other location in interchange
0	0.0	19	Unknown, interchange area
0	0.0	99	Unknown

Variable	Name	Format	Type	Length
v26	RELATION TO ROADWAY	FRDWY98F	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
289	94.1	1	On roadway
7	2.3	2	Shoulder
3	1.0	3	Median
5	1.6	4	Roadside
0	0.0	5	Outside right-of-way
2	0.7	6	Off roadway - location unknown
0	0.0	7	In parking lane
0	0.0	8	Gore

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
FARS ACCIDENT VARIABLES

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
0	0.0	10	Separator
1	0.3	11	Two-way continuous left-turn lane
0	0.0	99	Unknown

Variable	Name	Format	Type	Length
v27	TRAFFICWAY FLOW	FFLOW03F	Numeric	3

A trafficway may include several roadways if it is a physically divided highway. Trafficways are not physically divided unless the divider is a median, barrier or other constructed device. Pavement markings do not qualify.

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
201	65.5	1	Not physically divided (two way trafficway)
58	18.9	2	Divided highway, median strip (no traffic barrier)
25	8.1	3	Divided highway, median strip (with traffic barrier)
9	2.9	4	One way trafficway
7	2.3	5	Not phys divided (with 2-way continuous left turn lane)
2	0.7	6	Entrance / exit ramp
5	1.6	9	Unknown

Variable	Name	Format	Type	Length
v28	NUMBER OF TRAVEL LANES	FLANES	Numeric	3

A roadway is one part of a divided trafficway or, if undivided, the same as the trafficway. It refers to the roadway on which the vehicle precipitating the accident was traveling. Only lanes open for travel are counted. Turn lanes are therefore excluded.

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
4	1.3	1	1 lane
217	70.7	2	2 lanes
24	7.8	3	3 lanes
39	12.7	4	4 lanes
7	2.3	5	5 lanes
9	2.9	6	6 lanes
0	0.0	7	7 or more lanes
7	2.3	9	Unknown

Variable	Name	Format	Type	Length
v29	SPEED LIMIT	FSPLMT	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
0	0.0	0	No statutory limit
0	0.0	5	5 mph
1	0.3	10	10 mph

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
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<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
0	0.0	15	15 mph
0	0.0	20	20 mph
39	12.7	25	25 mph
37	12.1	30	30 mph
47	15.3	35	35 mph
27	8.8	40	40 mph
37	12.1	45	45 mph
12	3.9	50	50 mph
54	17.6	55	55 mph
5	1.6	60	60 mph
19	6.2	65	65 mph
11	3.6	70	70 mph
6	2.0	75	75 mph
12	3.9	99	Unknown

Variable	Name	Format	Type	Length
v30	ROADWAY ALIGNMENT	FALIG	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
271	88.3	1	Straight
33	10.7	2	Curve
3	1.0	9	Unknown

Variable	Name	Format	Type	Length
v31	ROADWAY PROFILE	FGRAD82F	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
222	72.3	1	Level
67	21.8	2	Grade
4	1.3	3	Hillcrest
1	0.3	4	Sag
13	4.2	9	Unknown

Variable	Name	Format	Type	Length
v32	ROADWAY SURFACE TYPE	FPAVE	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
25	8.1	1	Concrete
269	87.6	2	Blacktop, bituminous, or asphalt
0	0.0	3	Brick or block
0	0.0	4	Slag, gravel or stone
1	0.3	5	Dirt
0	0.0	8	Other
12	3.9	9	Unknown

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
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Variable	Name	Format	Type	Length
v33	ROADWAY SURFACE CONDITION	FSURFCON	Numeric	3

ROADWAY SURFACE CONDITION

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
240	78.2	1	Dry
47	15.3	2	Wet
13	4.2	3	Snow or slush
4	1.3	4	Ice
0	0.0	5	Sand, dirt, oil
1	0.3	8	Other
2	0.7	9	Unknown

Variable	Name	Format	Type	Length
v34	TRAFFIC CONTROL DEVICE	FTRCN82F	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
184	59.9	0	No controls

*** Not At Railroad Grade Crossing ***

Highway Traffic Signals

3	1.0	1	Traffic control signal (on colors) w/out pedestrian signal
12	3.9	2	Traffic control (on colors) with pedestrian signal
49	16.0	3	Traf control signal (on colors) not known if ped signal
1	0.3	4	Flashing traffic control signal
1	0.3	5	Flashing beacon
0	0.0	6	Flashing highway traffic signal, type unknown
0	0.0	7	Lane use control signal
3	1.0	8	Other highway traffic signal
0	0.0	9	Unknown highway traffic signal

Regulatory signs

43	14.0	20	Stop sign
1	0.3	21	Yield sign
7	2.3	28	Other regulatory sign
0	0.0	29	Unknown type regulatory sign

School zone signs

0	0.0	30	School speed limit sign
0	0.0	31	School advance or crossing sign
0	0.0	38	Other school related sign
0	0.0	39	Unknown type school zone sign

Warning signs
 2 0.7 40 Warning sign
 0 0.0 41 Electronic warning sign

 Miscellaneous not at railroad crossing
 0 0.0 50 Officer, crossing guard, flagman, etc.

*** At Railroad Grade Crossing ***

Active devices
 0 0.0 60 Gates
 0 0.0 61 Flashing lights
 0 0.0 62 Traffic control signal
 0 0.0 63 Wigwags
 0 0.0 64 Bells
 0 0.0 68 Other train activated device
 0 0.0 69 Active device, type unknown

Passive devices
 0 0.0 70 Cross-bucks
 0 0.0 72 Other railroad crossing sign
 0 0.0 73 Special warning device - watchman, flagged by crew
 0 0.0 78 Other passive device
 0 0.0 79 Passive device, type unknown

Miscellaneous devices at railroad crossing
 0 0.0 80 Grade crossing controlled, type unknown

*** Whether or Not At Railroad Grade Crossing ***
 1 0.3 98 Other
 0 0.0 99 Unknown

Variable	Name	Format	Type	Length
v35	TRAFFIC CONT FUNCTIONING	FTCFUNC	Numeric	3

TRAFFIC CONTROL FUNCTIONING

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
184	59.9	0	No controls
0	0.0	1	Device not functioning
0	0.0	2	Device functioning - functioning improperly
123	40.1	3	Device functioning properly
0	0.0	9	Unknown

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
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Variable	Name	Format	Type	Length
v36	HIT AND RUN	FHIT03F	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
305	99.3	0	No hit and run
2	0.7	1	Hit motor vehicle in transport
0	0.0	2	Hit pedestrian, nonmotorist
0	0.0	3	Hit parked vehicle, working vehicle or object
0	0.0	4	Driver/occ leaves scene after noncollision event

Variable	Name	Format	Type	Length
v37	LIGHT CONDITION	FLIGHT	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
210	68.4	1	Daylight
34	11.1	2	Dark
49	16.0	3	Dark but lighted
9	2.9	4	Dawn
5	1.6	5	Dusk
0	0.0	9	Unknown

Variable	Name	Format	Type	Length
v38	ATMOSPHERIC CONDITIONS	FATM82F	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
257	83.7	1	No adverse atmospheric condition
30	9.8	2	Rain (mist)
1	0.3	3	Sleet (hail)
10	3.3	4	Snow
5	1.6	5	Fog
1	0.3	6	Rain and fog
0	0.0	7	Sleet and fog
3	1.0	8	Other (smog, smoke, blowing sand, or dust)
0	0.0	9	Unknown

Variable	Name	Format	Type	Length
v39	CONSTRUCTION/MAINT ZONE	FCMZ82F	Numeric	3

CONSTRUCTION OR MAINTENANCE ZONE

Identifies accidents that occurred in a construction or maintenance zone. Use of this code does not imply that the accident was caused by the construction/maintenance activity or zone.

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
FARS ACCIDENT VARIABLES

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<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
296	96.4	0	None
9	2.9	1	Construction
2	0.7	2	Maintenance
0	0.0	3	Utility
0	0.0	4	Work zone, type unknown
0	0.0	9	Unknown

Variable	Name	Format	Type	Length
v40	EMS NOTIFIED - HOUR		Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
8	2.6	0	Not notified or 12:01 – 12:59 am
4	1.3	1	
1	0.3	-	Hour
3	1.0	23	
130	42.3	99	Unknown

Variable	Name	Format	Type	Length
v41	EMS NOTIFIED - MINUTE		Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
6	2.0	0	Not notified or on hour
4	1.3	1	
		-	Minute
2	0.7	59	
1	0.3	98	Unknown whether transported
129	42.0	99	Unknown

Variable	Name	Format	Type	Length
v42	EMS ARRIVAL - HOUR		Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
9	2.9	0	Not notified or 12:01 – 12:59 am
2	0.7	1	
		-	Hour
3	1.0	23	
128	41.7	99	Unknown

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
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Variable	Name	Format	Type	Length
v43	EMS ARRIVAL - MINUTE		Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
8	2.6	0	Not notified or on hour
3	1.0	1	
		-	Minute
3	1.0	59	
1	0.3	98	Unknown whether transported
133	43.3	99	Unknown

Variable	Name	Format	Type	Length
v46	SCHOOL BUS RELATED	FYESNO	Numeric	3

Identifies accidents in which a school bus was directly or indirectly involved, such as an accident involving children alighting from a school bus. The school bus does not have to be a traffic unit in the accident.

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
189	61.6	0	No
118	38.4	1	Yes

Variable	Name	Format	Type	Length
v48	RAIL GRADE CROSSING ID		Char	7

RAIL GRADE CROSSING ID – FRA CODE

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
307	100.0	0000000	Not Applicable

Variable	Name	Format	Type	Length
v49	NUMBER FATALITIES IN ACC	FFATALS	Numeric	3

NUMBER OF FATALITIES IN ACCIDENT

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
0	0.0	0	0 killed
281	91.5	1	1 killed
16	5.2	2	2 killed
7	2.3	3	3 killed
2	0.7	4	4 killed
1	0.3	15	15 killed

Variable v50	Name DAY OF WEEK	Format FDAYS	Type Numeric	Length 3
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<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
18	5.9	1	Sunday
53	17.3	2	Monday
57	18.6	3	Tuesday
44	14.3	4	Wednesday
52	16.9	5	Thursday
42	13.7	6	Friday
41	13.4	7	Saturday
0	0.0	9	Unknown

Variable v51	Name NUMBER DRINKING DRIVERS	Format FDRUNKDR	Type Numeric	Length 3
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<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
258	84.0	0	0 drivers
44	14.3	1	1 driver
5	1.6	2	2 drivers

Variable v52	Name ACCIDENT DATE - JULIAN	Format	Type Numeric	Length 8
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The Julian date from March 1, 1900

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
1	0.3	37928	January 2, 2004
		-	
3	1.0	38291	December 30, 2004

Variable v53	Name NUMBER UNINJURED IN ACC	Format FUNINJ	Type Numeric	Length 8
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NUMBER OF UNINJURED IN ACCIDENT

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
79	25.7	0	0 uninjured
183	59.6	1	1 uninjured
26	8.5	2	2 uninjured
12	3.9	3	3 uninjured
1	0.3	4	4 uninjured
2	0.7	5	5 uninjured
3	1.0	6	6 uninjured

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<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
1	0.3	22	22 uninjured

Variable	Name	Format	Type	Length
v54	NUMBER C-INJURED IN ACC	FCINJ	Numeric	8

NUMBER OF C-INJURED IN ACCIDENT

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
211	68.7	0	0 C-injured
41	13.4	1	1 C-injured
12	3.9	2	2 C-injured
8	2.6	3	3 C-injured
9	2.9	4	4 C-injured
5	1.6	5	5 C-injured
2	0.7	6	6 C-injured
6	2.0	7	7 C-injured
3	1.0	8	8 C-injured
1	0.3	9	9 C-injured
1	0.3	10	10 C-injured
1	0.3	11	11 C-injured
1	0.3	12	12 C-injured
1	0.3	13	13 C-injured
1	0.3	16	16 C-injured
1	0.3	19	19 C-injured
1	0.3	22	22 C-injured
1	0.3	27	27 C-injured
1	0.3	46	46 C-injured

Variable	Name	Format	Type	Length
v55	NUMBER B-INJURED IN ACC	FBINJ	Numeric	8

NUMBER OF B-INJURED IN ACCIDENT

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
239	77.9	0	0 B-injured
30	9.8	1	1 B-injured
12	3.9	2	2 B-injured
3	1.0	3	3 B-injured
3	1.0	4	4 B-injured
5	1.6	5	5 B-injured
2	0.7	6	6 B-injured
2	0.7	7	7 B-injured
1	0.3	8	8 B-injured
1	0.3	9	9 B-injured
2	0.7	11	11 B-injured
3	1.0	13	13 B-injured

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
1	0.3	25	25 B-injured
1	0.3	30	30 B-injured
1	0.3	36	36 B-injured
1	0.3	43	43 B-injured

Variable	Name	Format	Type	Length
v56	NUMBER A-INJURED IN ACC	FAINJ	Numeric	8

NUMBER OF A-INJURED IN ACCIDENT

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
239	77.9	0	0 A-injured
40	13.0	1	1 A-injured
8	2.6	2	2 A-injured
4	1.3	3	3 A-injured
2	0.7	4	4 A-injured
5	1.6	5	5 A-injured
2	0.7	6	6 A-injured
1	0.3	7	7 A-injured
1	0.3	8	8 A-injured
1	0.3	9	9 A-injured
2	0.7	10	10 A-injured
2	0.7	15	15 A-injured

Variable	Name	Format	Type	Length
v57	NUMBER K-INJURED IN ACC	FKINJ	Numeric	8

NUMBER OF K-INJURED IN ACCIDENT

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
281	91.5	1	1 killed
16	5.2	2	2 killed
7	2.3	3	3 killed
2	0.7	4	4 killed
1	0.3	15	15 killed

Variable	Name	Format	Type	Length
v58	NUM UNK INJURED IN ACC	FUNKINJ	Numeric	8

NUMBER UNKNOWN INJURED IN ACCIDENT

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
303	98.7	0	0 unknown injured
1	0.3	1	1 unknown injured

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<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
1	0.3	9	9 unknown injured
1	0.3	14	14 unknown injured
1	0.3	39	39 unknown injured

Variable	Name	Format	Type	Length
v59	ACC RELATED FACTORS #1	FARF82F	Numeric	3

FACTORS AT ACCIDENT LEVEL – RESPONSE #1

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
294	95.8	0	None
0	0.0	1	Inadequate warning of exits, lanes narrowing, etc.
0	0.0	2	Shoulder design or condition
0	0.0	3	Other construction-created condition
1	0.3	4	No (or obscured) pavement marking
0	0.0	5	Surface under water
0	0.0	6	Inadequate construction or poor design of roadway, etc.
0	0.0	7	Surface washed out (caved in, road slippage)
Special circumstances			
3	1.0	14	Motor vehicle in transport struck by falling cargo, or something that was set in motion by a vehicle
0	0.0	15	Nonoccupant struck by falling cargo or something that came loose from or was set in motion by a vehicle
1	0.3	16	Nonoccupant struck vehicle
0	0.0	17	Vehicle set-in-motion by nondriver
1	0.3	18	Date of accident & Date of EMS notification not same day
4	1.3	19	Recent previous accident scene nearby
0	0.0	20	Police pursuit involved
0	0.0	21	Within designated school zone
2	0.7	22	Speed limit is a statutory limit - state's "basic rule"
1	0.3	99	Unknown

Variable	Name	Format	Type	Length
v60	ACC RELATED FACTORS #2	FARF82F	Numeric	3

FACTORS AT ACCIDENT LEVEL – RESPONSE #2

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
306	99.7	0	None
1	0.3	99	Unknown

Variable	Name	Format	Type	Length
v61	ACC RELATED FACTORS #3	FARF82F	Numeric	3

FACTORS AT ACCIDENT LEVEL – RESPONSE #3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
306	99.7	0	None
1	0.3	99	Unknown

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
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The VEHICLE Variables

Variables 104 through 172 describe the vehicle involved in the accident (i.e., the bus).

Variable	Name	Format	Type	Length
v104	VEHICLE NUMBER	FVEHNUM	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
151	49.2	1	Vehicle #1
125	40.7	2	Vehicle #2
19	6.2	3	Vehicle #3
8	2.6	4	Vehicle #4
1	0.3	5	Vehicle #5
1	0.3	8	Vehicle #8
1	0.3	11	Vehicle #11
1	0.3	13	Vehicle #13

Variable	Name	Format	Type	Length
v107	NUMBER OF OCCUPANTS	FNUMOCC	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
2	0.7	0	0 occupants
191	62.2	1	1 occupant
14	4.6	2	2 occupants
15	4.9	3	3 occupants
9	2.9	4	4 occupants
5	1.6	5	5 occupants
3	1.0	6	6 occupants
5	1.6	7	7 occupants
5	1.6	8	8 occupants
4	1.3	9	9 occupants
4	1.3	10	10 occupants
1	0.3	11	11 occupants
2	0.7	12	12 occupants
3	1.0	13	13 occupants
3	1.0	14	14 occupants
3	1.0	15	15 occupants
1	0.3	16	16 occupants
1	0.3	17	17 occupants
3	1.0	19	19 occupants
1	0.3	21	21 occupants
1	0.3	22	22 occupants
1	0.3	26	26 occupants
1	0.3	30	30 occupants
1	0.3	31	31 occupants
1	0.3	37	37 occupants
1	0.3	43	43 occupants
1	0.3	45	45 occupants

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
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<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
2	0.7	47	47 occupants
1	0.3	96	96 or more occupants in vehicle
22	7.2	97	Unknown – only injured reported

Variable v108	Name VEHICLE MAKE	Format FMAKE91F	Type Numeric	Length 3
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<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
40	13.0	12	Ford
11	3.6	20	Chevrolet
6	2.0	23	GMC
7	2.3	82	Freightliner
72	23.5	84	International
1	0.3	85	Kenworth
21	6.8	90	Bluebird
11	3.6	92	Gillig
28	9.1	93	MCI
12	3.9	94	Thomas Built
93	30.3	98	Other make
4	1.3	99	Unknown

Variable v109	Name VEHICLE MAKE-MODEL	Format FMKMD91F	Type Numeric	Length 4
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<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
1	0.3	7461	Dodge B-series Van
19	6.2	12461	Ford E-series Van
1	0.3	12498	Ford Other light truck
1	0.3	12499	Ford Unknown light truck
14	4.6	12981	Ford Medium bus
4	1.3	12988	Ford Other bus
1	0.3	12999	Unknown Ford
5	1.6	20461	Chevrolet G-series Van
1	0.3	20466	Chevrolet P-series Van
5	1.6	20981	Chevrolet Conventional Bus
2	0.7	23461	GMC G-series Van / Savana
4	1.3	23981	GMC Bus B6000
5	1.6	82981	Freightliner Conventional bus
1	0.3	82982	Freightliner Bus-flat front, front engine
1	0.3	82988	Freightliner Other bus
1	0.3	84884	International Harvester Med/Hvy unk engine location
66	21.5	84981	International Harvester Conventional bus
2	0.7	84982	International Harvester Bus-flat front, front engine
2	0.7	84988	International Harvester Other bus
1	0.3	84999	Unknown International Harvester/Navistar

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
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<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
1	0.3	85981	Kenworth Conventional bus
16	5.2	90981	Bluebird Conventional bus (engine out front)
4	1.3	90982	Bluebird Bus-flat front, front engine
1	0.3	90999	Unknown Bluebird
7	2.3	92981	Gillig Conventional bus (engine out front)
1	0.3	92982	Gillig Bus-flat front, front engine
1	0.3	92983	Gillig Bus-flat front, rear engine
2	0.7	92988	Gillig Other bus
24	7.8	93981	MCI Conventional bus (engine out front)
2	0.7	93983	MCI Bus-flat front, rear engine
2	0.7	93988	MCI Other bus
6	2.0	94981	Thomas Built Conventional bus (engine out front)
2	0.7	94982	Thomas Built Bus-flat front, front engine
4	1.3	94988	Thomas Built Other bus
1	0.3	98805	Other Make Oshkosh
8	2.6	98902	NeoPlan bus
2	0.7	98905	DINA
5	1.6	98907	Orion
7	2.3	98908	Van Hool
38	12.4	98981	Other Conventional bus
3	1.0	98982	Other Bus front engine
8	2.6	98983	Other Bus rear engine
20	6.5	98988	Other bus
1	0.3	98998	Other vehicle
1	0.3	99981	Unknown Conventional bus
1	0.3	99983	Unknown bus rear engine
2	0.7	99989	Unknown bus

Variable	Name	Format	Type	Length
v110	BODY TYPE	FBODY03F	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
Van Based Light Truck, GVWR < 10,000 lbs.			
26	8.5	21	Large van (excludes moving van)
2	0.7	22	Step van or walk-in van
1	0.3	28	Other van type (Hi-Cube Van, Kary)
1	0.3	29	Unknown van type
110	35.8	50	School bus
36	11.7	51	Cross country/intercity bus (ie, Greyhound)
82	26.7	52	Transit bus (city bus)
25	8.1	58	Other bus type
20	6.5	59	Unknown bus type

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
FARS VEHICLE VARIABLES

			Heavy/Medium Truck, GVWR > 10,000 lbs.
1	0.3	66	Truck/tractor (cab only, or with any number of trailing units; any weight
3	1.0	99	Unknown body type

Variable v111	Name MODEL YEAR	Format FMDYR	Type Numeric	Length 4
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<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
2	0.7	1980	1980
2	0.7	1981	1981
1	0.3	1982	1982
2	0.7	1984	1984
1	0.3	1986	1986
6	2.0	1987	1987
5	1.6	1988	1988
5	1.6	1989	1989
8	2.6	1990	1990
6	2.0	1991	1991
6	2.0	1992	1992
13	4.2	1993	1993
12	3.9	1994	1994
17	5.5	1995	1995
18	5.9	1996	1996
30	9.8	1997	1997
21	6.8	1998	1998
23	7.5	1999	1999
29	9.4	2000	2000
28	9.1	2001	2001
25	8.1	2002	2002
18	5.9	2003	2003
25	8.1	2004	2004
4	1.3	9999	Unknown

Variable v112	Name VIN	Format \$12	Type Char	Length 12
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VEHICLE ID NUMBER – 1ST 12 POSITIONS

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
FARS VEHICLE VARIABLES

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Variable v123	Name REGISTRATION STATE	Format FREG_ST	Type Numeric	Length 3
<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>	
30	9.8	0	Not applicable	
5	1.6	1	Alabama	
1	0.3	2	Alaska	
0	0.0	3	American Samoa	
8	2.6	4	Arizona	
1	0.3	5	Arkansas	
6	2.0	6	California	
3	1.0	8	Colorado	
2	0.7	9	Connecticut	
2	0.7	10	Delaware	
1	0.3	11	District of Columbia	
26	8.5	12	Florida	
11	3.6	13	Georgia	
0	0.0	14	Guam	
5	1.6	15	Hawaii	
1	0.3	16	Idaho	
7	2.3	17	Illinois	
3	1.0	18	Indiana	
4	1.3	19	Iowa	
2	0.7	20	Kansas	
5	1.6	21	Kentucky	
4	1.3	22	Louisiana	
1	0.3	23	Maine	
10	3.3	24	Maryland	
5	1.6	25	Massachusetts	
10	3.3	26	Michigan	
3	1.0	27	Minnesota	
2	0.7	28	Mississippi	
7	2.3	29	Missouri	
0	0.0	30	Montana	
0	0.0	31	Nebraska	
2	0.7	32	Nevada	
1	0.3	33	New Hampshire	
13	4.2	34	New Jersey	
3	1.0	35	New Mexico	
22	7.2	36	New York	
9	2.9	37	North Carolina	
0	0.0	38	North Dakota	
6	2.0	39	Ohio	
1	0.3	40	Oklahoma	
2	0.7	41	Oregon	
15	4.9	42	Pennsylvania	
0	0.0	43	Puerto Rico	
0	0.0	44	Rhode Island	

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
FARS VEHICLE VARIABLES

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
3	1.0	45	South Carolina
0	0.0	46	South Dakota
6	2.0	47	Tennessee
15	4.9	48	Texas
4	1.3	49	Utah
0	0.0	50	Vermont
9	2.9	51	Virginia
0	0.0	52	Virgin Islands
0	0.0	53	Washington
0	0.0	54	West Virginia
6	2.0	55	Wisconsin
1	0.3	56	Wyoming
4	1.3	92	No registration
16	5.2	93	Multiple state registration
1	0.3	95	U.S. government tags
2	0.7	96	Military vehicle
1	0.3	97	Foreign country
0	0.0	98	Other registration
0	0.0	99	Unknown

Variable	Name	Format	Type	Length
v124	REGISTERED VEHICLE OWNER	FROWNER	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
34	11.1	0	N/A, vehicle not registered
7	2.3	1	Driver (in this crash) was registered owner
17	5.5	2	Driver not registered owner (other private owner listed)
248	80.8	3	Veh registered as business/company/government vehicle
0	0.0	4	Vehicle registered as rental vehicle
0	0.0	5	Vehicle was stolen (reported by police)
1	0.3	6	Driverless vehicle
0	0.0	9	Unknown

Variable	Name	Format	Type	Length
v125	ROLLOVER	FROLL	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
295	96.1	0	No rollover
4	1.3	1	First event
8	2.6	2	Subsequent event

Variable	Name	Format	Type	Length
v126	JACKKNIFE	FJK82F	Numeric	3

Identifies the loss of control of a truck in motion where the trailer yaws more than 15 degrees from its normal straight line path behind the cab.

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
303	98.7	0	Not an articulated vehicle
4	1.3	1	No
0	0.0	2	First event
0	0.0	3	Subsequent event

Variable	Name	Format	Type	Length
v127	TRAVEL SPEED	FTSPEED	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
29	9.4	0	Stopped vehicle
11	3.6	5	
		-	Actual miles per hour
1	0.3	85	
100	32.6	98	Not reported
69	22.5	99	Unknown

Variable	Name	Format	Type	Length
v128	HAZARDOUS CARGO	FHAZ	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
301	98.0	0	No
0	0.0	1	Yes, placarded
1	0.3	2	Yes, not placarded
0	0.0	3	Yes, unknown if placarded
5	1.6	9	Unknown

Variable	Name	Format	Type	Length
v129	VEHICLE TRAILERING	FVTOW87F	Numeric	3

Trailing unit applies to any device connected to a motor vehicle by a hitch, including tractor-trailer combinations, boat hitched onto a motor vehicle, etc. This does not include towed vehicles, such as a tow truck pulling a vehicle.

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
297	96.7	0	No
4	1.3	1	Yes, one trailer
0	0.0	2	Yes, two trailers

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
FARS VEHICLE VARIABLES

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
0	0.0	3	Yes, three or more trailers
0	0.0	4	Yes, number of trailers unknown
0	0.0	5	Vehicle towing another motor vehicle
6	2.0	9	Unknown

Variable	Name	Format	Type	Length
v130	VEHICLE CONFIGURATION	FVCON01F	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
16	5.2	0	Not applicable, not a med/heavy truck or bus or veh displaying a hazardous materials placard
1	0.3	19	Medium / heavy truck, cannot classify
16	5.2	20	Bus (seats 9-15 people, including driver)
268	87.3	21	Bus (seats more than 15 people, including driver)
1	0.3	70	Light truck displaying a hazardous materials placard
5	1.6	99	Unknown if light or medium/heavy truck or bus

Variable	Name	Format	Type	Length
v131	NUMBER OF AXLES	FAXLES	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
16	5.2	0	Not applicable, not a medium/heavy truck or bus
176	57.3	2	2 axles
57	18.6	3	3 axles
1	0.3	6	6 axles
51	16.6	98	Medium/heavy truck or bus, number of axles unknown
6	2.0	99	Unknown if light or med/heavy truck or bus

Variable	Name	Format	Type	Length
v132	CARGO BODY TYPE	FCBT01F	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
16	5.2	0	Not applicable, not a medium/heavy truck or bus
0	0.0	1	Van/enclosed box
0	0.0	2	Cargo tank
0	0.0	3	Flatbed
0	0.0	4	Dump
0	0.0	5	Concrete mixer
0	0.0	6	Auto transporter
0	0.0	7	Garbage/refuse
0	0.0	8	Grain, chips, gravel, etc
0	0.0	9	Pole
16	5.2	20	Bus (seats 9-15 people, including driver)
268	87.3	21	Bus (seats more than 15 people, including driver)

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
1	0.3	97	Medium/heavy truck or bus, other cargo body type
6	2.0	99	Unknown if light or med/heavy truck or bus

Variable	Name	Format	Type	Length
v133	SPECIAL USE	FSPECIAL	Numeric	3

Indicates that the vehicle was used for a function other than the primary function for which it was designed.

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
279	90.9	0	No special use
0	0.0	1	Taxi
8	2.6	2	Vehicle used as school bus
15	4.9	3	Vehicle used as other bus
2	0.7	4	Military
0	0.0	5	Police
0	0.0	6	Ambulance
0	0.0	7	Firetruck
3	1.0	9	Unknown

Variable	Name	Format	Type	Length
v134	EMERGENCY USE	FYESNO	Numeric	3

Refers to a vehicle traveling with physical emergency signals in use, such as red light blinking, siren sounding, etc.

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
306	99.7	0	No
1	0.3	1	Yes

Variable	Name	Format	Type	Length
v135	IMPACT POINT - INITIAL	FIMPACTA	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
6	2.0	0	Noncollision
9	2.9	1	1 o'clock
7	2.3	2	2 o'clock
7	2.3	3	3 o'clock
4	1.3	4	4 o'clock
8	2.6	5	5 o'clock
38	12.4	6	6 o'clock
6	2.0	7	7 o'clock
1	0.3	8	8 o'clock
13	4.2	9	9 o'clock

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<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
8	2.6	10	10 o'clock
12	3.9	11	11 o'clock
176	57.3	12	12 o'clock
0	0.0	13	Top
8	2.6	14	Undercarriage
4	1.3	99	Unknown

Variable	Name	Format	Type	Length
v136	IMPACT POINT - PRINCIPAL	FIMPACTA	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
6	2.0	0	Noncollision
9	2.9	1	1 o'clock
7	2.3	2	2 o'clock
5	1.6	3	3 o'clock
3	1.0	4	4 o'clock
8	2.6	5	5 o'clock
36	11.7	6	6 o'clock
6	2.0	7	7 o'clock
1	0.3	8	8 o'clock
13	4.2	9	9 o'clock
7	2.3	10	10 o'clock
13	4.2	11	11 o'clock
167	54.4	12	12 o'clock
1	0.3	13	Top
22	7.2	14	Undercarriage
3	1.0	99	Unknown

Variable	Name	Format	Type	Length
v137	EXTENT OF DEFORMATION	FEDEFORM	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
60	19.5	0	None
64	20.8	2	Other (minor)
59	19.2	4	Functional (moderate)
112	36.5	6	Disabling (severe)
12	3.9	9	Unknown

Variable	Name	Format	Type	Length
v138	VEHICLE ROLE	FIMPAC	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
6	2.0	0	Noncollision
180	58.6	1	Striking

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<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
115	37.5	2	Struck
6	2.0	3	Both

Variable	Name	Format	Type	Length
v139	MANNER OF LEAVING SCENE	FTOW82F	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
125	40.7	1	Driven
173	56.4	2	Towed away
9	2.9	9	Unknown

Variable	Name	Format	Type	Length
v140	FIRE OCCURRENCE	FFIRE	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
306	99.7	0	No fire
1	0.3	1	Fire occurred in vehicle during accident

Variable	Name	Format	Type	Length
v142	VEHICLE MANEUVER	FV_MAN	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
176	57.3	1	Going straight
7	2.3	2	Slowing or stopping in traffic lane
16	5.2	3	Starting in traffic lane
29	9.4	4	Stopped in traffic lane
1	0.3	5	Passing or overtaking another vehicle
1	0.3	6	Leaving a parked position
1	0.3	7	Parked
0	0.0	8	Entering a parked position
2	0.7	9	Controlled maneuver to avoid animal, ped, object, veh, etc.
4	1.3	10	Turning right: Right Turn On Red (RTOR) permitted
0	0.0	11	Turning right: RTOR not permitted
8	2.6	12	Turning right: RTOR not known if permitted or n/a
40	13.0	13	Turning left
1	0.3	14	Making a U-turn
0	0.0	15	Backing up (other than for parking purposes)
3	1.0	16	Changing lanes or merging
15	4.9	17	Negotiating a curve
2	0.7	98	Other
1	0.3	99	Unknown

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
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Variable v143	Name CRASH AVOIDANCE MANUEVER	Format FCAVOID	Type Numeric	Length 3
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<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
161	52.4	0	No avoidance maneuver reported
13	4.2	1	Braking (skidmarks evident)
5	1.6	2	Braking (no skidmarks; driver stated)
8	2.6	3	Braking (other reported evidence)
15	4.9	4	Steering (evidence or stated)
12	3.9	5	Steering & braking (evidence or stated)
1	0.3	6	Other avoidance maneuver
92	30.0	8	Not reported/inconclusive (by Police)

Variable v144	Name MOST HARMFUL EVENT	Format FFHE82F	Type Numeric	Length 3
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<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
9	2.9	1	Overturn/rollover
0	0.0	2	Fire/explosion
1	0.3	3	Immersion
0	0.0	4	Gas inhalation
0	0.0	5	Fell/jumped from vehicle
2	0.7	6	Injured in veh (other than cargo/equip loss/shift)
1	0.3	7	Other noncollision
84	27.4	8	Pedestrian
6	2.0	9	Pedalcycle
0	0.0	10	Railway train
0	0.0	11	Animal
192	62.5	12	Motor-vehicle in transport on same roadway
2	0.7	13	Motor-vehicle in transport on other roadway
1	0.3	14	Parked motor-vehicle (not in transport)
1	0.3	15	Nonmotorist on personal conveyance
0	0.0	16	Thrown/falling object (other than cargo/equip loss/shift)
0	0.0	17	Boulder
0	0.0	18	Other object (not fixed)
2	0.7	19	Building
0	0.0	20	Impact attenuator/crash cushion
0	0.0	21	Bridge pier or abutment
0	0.0	22	Bridge parapet end
0	0.0	23	Bridge rail
0	0.0	24	Guardrail face
0	0.0	25	Concrete traffic barrier
0	0.0	26	Other traffic barrier
0	0.0	27	Highway/traffic sign post/sign
0	0.0	28	Overhead sign support/sign
0	0.0	29	Luminaire/light support
0	0.0	30	Utility pole

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
0	0.0	31	Other post, other pole or other supports
0	0.0	32	Culvert
0	0.0	33	Curb
0	0.0	34	Ditch
0	0.0	35	Embankment - earth
0	0.0	36	Embankment - rock, stone or concrete
0	0.0	37	Embankment - material type unknown
1	0.3	38	Fence
0	0.0	39	Wall
0	0.0	40	Fire hydrant
0	0.0	41	Shrubbery
2	0.7	42	Tree (standing tree only)
1	0.3	43	Other fixed object
0	0.0	44	Pavement surface irregularity (pothole, etc)
1	0.3	45	Working construction, maintenance or utility vehicles
0	0.0	46	Traffic signal support/signal
1	0.3	47	Vehicle occupant struck or run over by own vehicle
0	0.0	48	Snow bank
0	0.0	49	Ridden animal or animal-drawn conveyance
0	0.0	50	Bridge overhead structure
0	0.0	51	Jackknife (causing injury or damage)
0	0.0	52	Guardrail end
0	0.0	53	Mail box
0	0.0	54	Motor veh struck by falling/shifting cargo or anything set in motion by loose cargo or another veh in transport
0	0.0	60	Cargo/equipment loss or shift (causing injury or damage)
0	0.0	99	Unknown

The following list shows the code values given above grouped by collision type.

Noncollision Event

01=Overturn/rollover
02=Fire/explosion
03=Immersion
04=Gas inhalation
05=Fell/jumped from vehicle
06=Injured in vehicle (other than cargo/equipment loss or shift)
07=Other noncollision
16=Thrown or falling object (other than cargo/equipment loss or shift)
44=Pavement surface irregularity (pothole, grooved, grates)
47=Vehicle occupant struck or run over by own vehicle
51=Jackknife (causing injury or damage)
60=Cargo/equipment loss or shift (causing injury or damage)

Collision With Motor Vehicle

12=Motor vehicle in transport
13=Motor vehicle in transport in other roadway
14=Parked motor vehicle
45=Working construction, maintenance or utility vehicles
54=Motor vehicle struck by falling/shifting cargo or anything set in motion by another motor vehicle in transport

Collision With Object Not Fixed

08=Pedestrian
 09=Pedalcycle
 10=Railway train
 11=Animal
 15=Nonmotorist on personal conveyance
 18=Other object (not fixed)
 49=Ridden animal or animal-drawn conveyance

Collision With Fixed Object

17=Boulder
 19=Building
 20=Impact attenuator/crash cushion
 21=Bridge pier or abutment
 22=Bridge parapet end
 23=Bridge rail
 24=Guardrail face
 25=Concrete traffic barrier
 26=Other traffic barrier
 27=Highway/traffic sign post/sign
 28=Overhead sign support/sign
 29=Luminaire/light support
 30=Utility pole
 31=Other post, other pole or other supports
 32=Culvert
 33=Curb
 34=Ditch
 35=Embankment – earth
 36=Embankment – rock, stone or concrete
 37=Embankment – material type unknown
 38=Fence
 39=Wall
 40=Fire hydrant
 41=Shrubbery
 42=Tree (standing tree only)
 43=Other fixed object
 46=Traffic signal support/signal
 48=Collision with snow bank
 50=Bridge overhead structure
 52=Guardrail end
 53=Mail box

Variable	Name	Format	Type	Length
v145	NUMBER OF DEATHS IN VEH	FVDEATH	Numeric	3

NUMBER OF DEATHS IN VEHICLE

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
278	90.6	0	0 deaths
21	6.8	1	1 death
3	1.0	2	2 deaths
3	1.0	3	3 deaths

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
1	0.3	4	4 deaths
1	0.3	15	15 deaths

Variable	Name	Format	Type	Length
v151	VIN TRUCK FUEL CODE	V151_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
0	0.0	1	(E) Electric operated
16	5.2	2	(G) Gas
122	39.7	3	(D) Diesel
0	0.0	4	(P) Propane
8	2.6	7	(*) Not available from VIN
0	0.0	8	(b) Unknown
161	52.4	9	(9) No VIN information

Variable	Name	Format	Type	Length
v152	VIN TRUCK WEIGHT CODE		Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
14	4.6	0	Value not returned
10	3.3	2	6,001 – 10,000 lbs.
7	2.3	3	10,001 – 14,000 lbs.
13	4.2	4	14,001 – 16,000 lbs.
4	1.3	5	16,001 – 19,500 lbs.
14	4.6	6	19,501 – 26,000 lbs.
84	27.4	7	26,001 – 33,000 lbs.
161	52.4	9	Value not coded

Variable	Name	Format	Type	Length
v153	VIN TRUCK SERIES		Char	3

Variable	Name	Format	Type	Length
v155	LENGTH OF VIN		Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
1	0.3	5	
		-	Actual length
304	99.0	17	

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Variables 156 through 161 are added by UMTRI to indicate the number of persons in the vehicle with injury severities of level zero through five, respectively, for occupant variable V329 (INJURY SEVERITY).

Variable	Name	Format	Type	Length
v156	NUMBER UNINJURED IN VEH	FVUNINJ	Numeric	8

NO. UNINJURED IN VEHICLE

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
101	32.9	0	0 uninjured
199	64.8	1	1 uninjured
3	1.0	2	2 uninjured
3	1.0	3	3 uninjured
0	0.0	4	4 uninjured
1	0.3	5	5 uninjured
0	0.0	6	6 uninjured

Variable	Name	Format	Type	Length
v157	NUMBER C-INJURED IN VEH	FVCINJ	Numeric	8

NO. C-INJURED IN VEHICLE

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
233	75.9	0	0 C-injured
30	9.8	1	1 C-injured
10	3.3	2	2 C-injured
7	2.3	3	3 C-injured
4	1.3	4	4 C-injured
2	0.7	5	5 C-injured
2	0.7	6	6 C-injured
6	2.0	7	7 C-injured
3	1.0	8	8 C-injured
1	0.3	9	9 C-injured
1	0.3	10	10 C-injured
1	0.3	11	11 C-injured
1	0.3	12	12 C-injured
1	0.3	13	13 C-injured
1	0.3	16	16 C-injured
1	0.3	18	18 C-injured
1	0.3	22	22 C-injured
1	0.3	27	27 C-injured
1	0.3	46	46 C-injured

Variable	Name	Format	Type	Length
v158	NUMBER B-INJURED IN VEH	FVBINJ	Numeric	8

NO. B-INJURED IN VEHICLE

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
259	84.4	0	0 B-injured
20	6.5	1	1 B-injured
6	2.0	2	2 B-injured
2	0.7	3	3 B-injured
2	0.7	4	4 B-injured
3	1.0	5	5 B-injured
2	0.7	6	6 B-injured
2	0.7	7	7 B-injured
2	0.7	8	8 B-injured
2	0.7	11	11 B-injured
1	0.3	12	12 B-injured
2	0.7	13	13 B-injured
1	0.3	25	25 B-injured
1	0.3	30	30 B-injured
1	0.3	36	36 B-injured
1	0.3	42	42 B-injured

Variable	Name	Format	Type	Length
v159	NUMBER A-INJURED IN VEH	FVAINJ	Numeric	8

NO. A-INJURED IN VEHICLE

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
271	88.3	0	0 A-injured
17	5.5	1	1 A-injured
3	1.0	2	2 A-injured
5	1.6	3	3 A-injured
2	0.7	4	4 A-injured
1	0.3	5	5 A-injured
3	1.0	6	6 A-injured
2	0.7	8	8 A-injured
2	0.7	10	10 A-injured
1	0.3	15	15 A-injured

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
FARS VEHICLE VARIABLES

Variable	Name	Format	Type	Length
v160	NUMBER K-INJURED IN VEH	FVKINJ	Numeric	8

NO. K-INJURED IN VEHICLE

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
278	90.6	0	0 killed
21	6.8	1	1 killed
3	1.0	2	2 killed
3	1.0	3	3 killed
1	0.3	4	4 killed
1	0.3	15	15 killed

Variable	Name	Format	Type	Length
v161	NUM UNK INJURED IN VEH	FVUNKINJ	Numeric	8

NO. UNKNOWN INJURED IN VEHICLE

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
303	98.7	0	0 unknown injured
1	0.3	1	1 unknown injured
1	0.3	9	9 unknown injured
1	0.3	14	14 unknown injured
1	0.3	39	39 unknown injured

Variable	Name	Format	Type	Length
v162	VEH RELATED FACTORS #1	FVRF	Numeric	3

RELATED FACTORS AT VEHICLE LEVEL – RESPONSE #1

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
303	98.7	0	None

Vehicle Condition(s) Noted:

2	0.7	1	Tires
1	0.3	2	Brake system
0	0.0	3	Steering system - includes tie-rod, kingpin, ball-joint, etc.
0	0.0	4	Suspension - includes springs, shock-absorbers, struts, etc.
0	0.0	5	Power train / engine - includes universal-joint, drive-shaft, etc.
0	0.0	6	Exhaust system
0	0.0	7	Headlights
0	0.0	8	Signal lights
0	0.0	9	Other lights
0	0.0	10	Horn
0	0.0	11	Mirrors

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
0	0.0	12	Wipers
1	0.3	13	Driver seating and control
0	0.0	14	Body, doors, hood, other
0	0.0	15	Trailer hitch
0	0.0	16	Wheels
0	0.0	17	Airbags
0	0.0	18	Other vehicle defects
0	0.0	19	Safety belts
Special Vehicle Flags:			
0	0.0	31	Hit-and-run vehicle
0	0.0	32	Vehicle registration for handicapped
0	0.0	33	Vehicle being pushed by nonmotorist
0	0.0	35	Reconstructed vehicle
0	0.0	36	Electric / alternative fuel vehicle
0	0.0	37	Transporting children to/from Head Start/Day Care
0	0.0	39	Highway construction, maintenance/utility veh in transport
0	0.0	40	Highway incident response vehicle
0	0.0	41	Police, fire, EMS veh working at scene of emergency
0	0.0	42	Other working veh (not constr, maint, util, police, fire, EMS veh)
0	0.0	99	Unknown

Variable	Name	Format	Type	Length
v163	VEH RELATED FACTORS #2	FVRF	Numeric	3

RELATED FACTORS AT VEHICLE LEVEL – RESPONSE #2

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
306	99.7	0	None
Vehicle condition(s) Noted:			
1	0.3	18	Other vehicle defects

Variable	Name	Format	Type	Length
v164	UNDERRIDE/OVERRIDE	FURIDE	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
304	99.0	0	No underride or override
With Motor Vehicle in Transport			
0	0.0	1	Underride, compartment intrusion
0	0.0	2	Underride, no compartment intrusion
0	0.0	3	Underride, compartment intrusion unknown

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
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<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
2	0.7	7	Override, motor vehicle in transport
0	0.0	8	Override, other vehicle
1	0.3	9	Unknown if underride or override

Variable v170	Name MOTOR CARRIER ID	Format	Type Char	Length 11
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<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
Issuing Authority (cols 1-2)			
2	0.7		Blank
17	5.5	00	Not applicable
1	0.3	02	
		-	FARS State Code
4	1.3	55	
63	20.5	57	US DOT
3	1.0	58	ICC
96	31.3	88	None
96	31.3	99	Unknown

Identification Number (cols 3-11)			
		000000000	Not applicable
		888888888	None
		999999999	Unknown

Variable v171	Name BUS USE	Format FBUSUSE	Type Numeric	Length 3
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<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
13	4.2	0	Not used as a bus
90	29.3	1	Used as a Public school bus
3	1.0	2	Used as a Private school bus
32	10.4	3	Used as a School bus, public or private unknown
70	22.8	4	Used as a Scheduled service bus
38	12.4	5	Used as a Tour bus
15	4.9	6	Used as a Commuter bus
20	6.5	7	Used as a Shuttle bus
3	1.0	8	Modified for personal/private use
23	7.5	9	Unknown bus use

Variable	Name	Format	Type	Length
v172	GROSS WEIGHT RATING-GVWR	FGVWR	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
17	5.5	0	Not applicable
14	4.6	1	10,000 lbs or less
54	17.6	2	10,001 - 26,000 lbs
189	61.6	3	26,001 lbs or more
33	10.7	9	Unknown

Variable	Name	Format	Type	Length
v173	EVENT #1	FSEQ04F	Numeric	3

EVENT #1 RELATED TO THIS MOTOR VEHICLE

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
1	0.3	1	Overturn/rollover
0	0.0	2	Fire/explosion
0	0.0	3	Immersion
0	0.0	4	Gas inhalation
0	0.0	5	Fell/jumped from vehicle
2	0.7	6	Injured in veh (other than cargo/equipment loss/shift)
1	0.3	7	Other noncollision
81	26.4	8	Pedestrian
6	2.0	9	Pedalcycle
0	0.0	10	Railway train
0	0.0	11	Animal
191	62.2	12	Motor-vehicle in transport on same roadway
2	0.7	13	Motor-vehicle in transport on other roadway
1	0.3	14	Parked motor-vehicle (not in transport)
1	0.3	15	Nonmotorist on personal conveyance
0	0.0	16	Thrown/falling object (other than cargo/equip loss/shift)
0	0.0	17	Boulder
0	0.0	18	Other object (not fixed)
0	0.0	19	Building
0	0.0	20	Impact attenuator/crash cushion
0	0.0	21	Bridge pier or abutment
0	0.0	22	Bridge parapet end
0	0.0	23	Bridge rail
0	0.0	24	Guardrail face
0	0.0	25	Concrete traffic barrier
0	0.0	26	Other traffic barrier
0	0.0	27	Highway/traffic sign post/sign
0	0.0	28	Overhead sign support/sign
0	0.0	29	Luminaire/light support
0	0.0	30	Utility pole
0	0.0	31	Other post, other pole or other supports

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
FARS VEHICLE VARIABLES

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
0	0.0	32	Culvert
1	0.3	33	Curb
0	0.0	34	Ditch
0	0.0	35	Embankment - earth
0	0.0	36	Embankment - rock, stone or concrete
0	0.0	37	Embankment - material type unknown
0	0.0	38	Fence
0	0.0	39	Wall
0	0.0	40	Fire hydrant
0	0.0	41	Shrubbery
0	0.0	42	Tree (standing tree only)
0	0.0	43	Other fixed object
0	0.0	44	Pavement surface irregularity (pothole,etc)
1	0.3	45	Working construction, maintenance/utility vehicles
0	0.0	46	Traffic signal support/signal
1	0.3	47	Vehicle occupant struck or run over by own vehicle
0	0.0	48	Snow bank
0	0.0	49	Ridden animal or animal-drawn conveyance
0	0.0	50	Bridge overhead structure
0	0.0	51	Jackknife
0	0.0	52	Guardrail end
0	0.0	53	Mail box
0	0.0	54	Motor vehicle struck by falling/shifting cargo or anything set in motion by another veh in transport
0	0.0	60	Cargo/equipment loss or shift
2	0.7	61	Equipment failure (blown tire, brake failure, etc.)
0	0.0	62	Separation of units
6	2.0	63	Ran off road - right
3	1.0	64	Ran off road - left
7	2.3	65	Cross median/centerline
0	0.0	66	Downhill runaway
0	0.0	67	Vehicle went airborne
0	0.0	99	Unknown

Variable	Name	Format	Type	Length
v174	EVENT #2	FSEQ04F	Numeric	3

EVENT #2 RELATED TO THIS MOTOR VEHICLE

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
5	1.6	1	Overturn/rollover
1	0.3	2	Fire/explosion
5	1.6	8	Pedestrian
1	0.3	9	Pedalcycle
8	2.6	12	Motor-vehicle in transport on same roadway
1	0.3	13	Motor-vehicle in transport on other roadway

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
FARS VEHICLE VARIABLES

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<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
1	0.3	19	Building
1	0.3	24	Guardrail face
1	0.3	26	Other traffic barrier
1	0.3	27	Highway/traffic sign post/sign
2	0.7	34	Ditch
1	0.3	37	Embankment - material type unknown
1	0.3	42	Tree (standing tree only)
1	0.3	60	Cargo/equipment loss or shift
13	4.2	63	Ran off road - right
10	3.3	64	Ran off road - left
6	2.0	65	Cross median/centerline
248	80.8	99	Unknown

Variable	Name	Format	Type	Length
v175	EVENT #3	FSEQ04F	Numeric	3

EVENT #3 RELATED TO THIS MOTOR VEHICLE

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
2	0.7	1	Overturn/rollover
5	1.6	12	Motor-vehicle in transport on same roadway
1	0.3	14	Parked motor-vehicle (not in transport)
1	0.3	19	Building
1	0.3	24	Guardrail face
2	0.7	27	Highway/traffic sign post/sign
3	1.0	30	Utility pole
1	0.3	31	Other post, other pole or other supports
1	0.3	32	Culvert
1	0.3	34	Ditch
1	0.3	37	Embankment - material type unknown
1	0.3	38	Fence
2	0.7	42	Tree (standing tree only)
1	0.3	43	Other fixed object
2	0.7	63	Ran off road - right
5	1.6	64	Ran off road - left
277	90.2	99	Unknown

Variable	Name	Format	Type	Length
v176	EVENT #4	FSEQ04F	Numeric	3

EVENT #4 RELATED TO THIS MOTOR VEHICLE

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
3	1.0	1	Overturn/rollover

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
FARS VEHICLE VARIABLES

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
1	0.3	14	Parked motor-vehicle (not in transport)
1	0.3	24	Guardrail face
1	0.3	27	Highway/traffic sign post/sign
1	0.3	28	Overhead sign support/sign
2	0.7	34	Ditch
3	1.0	38	Fence
1	0.3	41	Shrubbery
1	0.3	63	Ran off road - right
1	0.3	67	Vehicle went airborne
292	95.1	99	Unknown

Variable	Name	Format	Type	Length
v177	EVENT #5	FSEQ04F	Numeric	3

EVENT #5 RELATED TO THIS MOTOR VEHICLE

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
1	0.3	1	Overturn/rollover
1	0.3	3	Immersion
1	0.3	14	Parked motor-vehicle (not in transport)
3	1.0	38	Fence
1	0.3	42	Tree (standing tree only)
300	97.7	99	Unknown

Variable	Name	Format	Type	Length
v178	EVENT #6	FSEQ04F	Numeric	3

EVENT #6 RELATED TO THIS MOTOR VEHICLE

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
1	0.3	14	Parked motor-vehicle (not in transport)
1	0.3	43	Other fixed object
305	99.3	99	Unknown

The DRIVER Variables

Variables 207 through 236 describe the driver of the bus involved in the accident.

Variable	Name	Format	Type	Length
v207	DRIVER PRESENCE	FDRIVER	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
305	99.3	1	Driver operated vehicle
2	0.7	2	Driverless
0	0.0	3	Driver left scene

Variable	Name	Format	Type	Length
v208	DRIVER DRINKING	FDRIVEDR	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
306	99.7	0	No drinking reported
1	0.3	1	Drinking reported
0	0.0	8	Not reported

Variable	Name	Format	Type	Length
v209	LICENSE STATE	FSTATES	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
6	2.0	1	Alabama
1	0.3	2	Alaska
9	2.9	4	Arizona
4	1.3	5	Arkansas
38	12.4	6	California
6	2.0	8	Colorado
2	0.7	9	Connecticut
2	0.7	10	Delaware
2	0.7	11	District of Columbia
25	8.1	12	Florida
10	3.3	13	Georgia
5	1.6	15	Hawaii
1	0.3	16	Idaho
7	2.3	17	Illinois
3	1.0	18	Indiana
5	1.6	19	Iowa
2	0.7	20	Kansas
5	1.6	21	Kentucky
4	1.3	22	Louisiana
1	0.3	23	Maine
11	3.6	24	Maryland

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
FARS DRIVER VARIABLES

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
5	1.6	25	Massachusetts
10	3.3	26	Michigan
4	1.3	27	Minnesota
2	0.7	28	Mississippi
7	2.3	29	Missouri
1	0.3	30	Montana
0	0.0	31	Nebraska
1	0.3	32	Nevada
0	0.0	33	New Hampshire
13	4.2	34	New Jersey
5	1.6	35	New Mexico
23	7.5	36	New York
9	2.9	37	North Carolina
0	0.0	38	North Dakota
6	2.0	39	Ohio
2	0.7	40	Oklahoma
2	0.7	41	Oregon
16	5.2	42	Pennsylvania
0	0.0	43	Puerto Rico
0	0.0	44	Rhode Island
4	1.3	45	South Carolina
0	0.0	46	South Dakota
7	2.3	47	Tennessee
17	5.5	48	Texas
4	1.3	49	Utah
0	0.0	50	Vermont
7	2.3	51	Virginia
0	0.0	52	Virgin Islands
2	0.7	53	Washington
0	0.0	54	West Virginia
6	2.0	55	Wisconsin
0	0.0	56	Wyoming
1	0.3	94	Military
1	0.3	97	Other foreign country
3	1.0	99	Unknown

Variable	Name	Format	Type	Length
v210A	NON-CDL LICENSE TYPE	FLTPF	Numeric	3

NON-CDL LICENSE TYPE, REGARDLESS OF VEHICLE DRIVEN

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
1	0.3	0	Not licensed
302	98.4	1	Full driver license
0	0.0	2	Intermediate driver license
0	0.0	7	Learner's Permit

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
0	0.0	8	Temporary license
4	1.3	9	Unknown license type

Variable	Name	Format	Type	Length
v210B	NON-CDL LICENSE STATUS	FLST93F	Numeric	3

NON-CDL LICENSE STATUS, REGARDLESS OF VEHICLE DRIVEN

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
1	0.3	0	Not licensed
0	0.0	1	Suspended
0	0.0	2	Revoked
1	0.3	3	Expired
0	0.0	4	Canceled or denied
301	98.0	6	Valid
4	1.3	9	Unknown license status

Variable	Name	Format	Type	Length
v211	LICENSE CLASS COMPLIANCE	FCOM87F	Numeric	3

LICENSE COMPLIANCE (FOR THIS CLASS VEHICLE)

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
1	0.3	0	Not licensed
0	0.0	1	No license required for this class vehicle
5	1.6	2	No valid license for this class vehicle
296	96.4	3	Valid license for this class vehicle
1	0.3	8	Unknown if CDL/CDL endorsement required for this veh
4	1.3	9	Unknown

Variable	Name	Format	Type	Length
v212	CDL LICENSE STATUS	FCDL93F	Numeric	3

COMMERCIAL MOTOR VEHICLE LICENSE STATUS

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
21	6.8	0	No (CDL)
1	0.3	1	Suspended
0	0.0	2	Revoked
1	0.3	3	Expired
1	0.3	4	Canceled or denied
0	0.0	5	Disqualified
276	89.9	6	Valid
0	0.0	7	Learner's permit

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
FARS DRIVER VARIABLES

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
2	0.7	8	Other - not valid
5	1.6	9	Unknown

Variable	Name	Format	Type	Length
v213	LICENSE ENDORSEMENTS	FEND91F	Numeric	3

COMPLIANCE WITH LICENSE ENDORSEMENTS

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
44	14.3	0	No endorsements required for this vehicle
196	63.8	1	Endorsement(s) required, complied with
2	0.7	2	Endorsement(s) required, not complied with
52	16.9	3	Endorsement(s) required, compliance unknown
13	4.2	9	Unknown, if required

Variable	Name	Format	Type	Length
v214	LICENSE RESTRICTIONS MET	FLREST	Numeric	3

COMPLIANCE WITH LICENSE RESTRICTIONS

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
145	47.2	0	No restrictions or not applicable
59	19.2	1	Restrictions complied with
0	0.0	2	Restrictions not complied with
96	31.3	3	Restrictions, compliance unknown
7	2.3	9	Unknown

Variable	Name	Format	Type	Length
v216	NUMBER OF PREV ACCIDENTS	FNOPAC	Numeric	3

NUMBER OF PREVIOUS RECORDED ACCIDENTS

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
229	74.6	0	0 accidents
38	12.4	1	1 accident
16	5.2	2	2 accidents
1	0.3	3	3 accidents
2	0.7	4	4 accidents
17	5.5	98	Accidents not reported on driving record
4	1.3	99	Unknown

Variable	Name	Format	Type	Length
v217	NUMBER PREV SUSPENSIONS	FNOPSUS	Numeric	3

NUMBER OF PREVIOUS SUSPENSIONS/REVOCATIONS

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
290	94.5	0	0 suspensions
8	2.6	1	1 suspension
4	1.3	2	2 suspensions
1	0.3	5	5 suspensions
4	1.3	99	Unknown

Variable	Name	Format	Type	Length
v218	NUMBER OF PREV DWI CONV	FNODWI	Numeric	3

NUMBER OF PREVIOUS DWI CONVICTIONS

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
303	98.7	0	0 DWI convictions
4	1.3	99	Unknown

Variable	Name	Format	Type	Length
v219	NUM PREV SPEEDING CONV	FNOPSPD	Numeric	3

NUMBER OF PREVIOUS SPEEDING CONVICTIONS

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
277	90.2	0	0 speed convictions
20	6.5	1	1 speed conviction
3	1.0	2	2 speed convictions
2	0.7	3	3 speed convictions
1	0.3	6	6 speed convictions
4	1.3	99	Unknown

Variable	Name	Format	Type	Length
v220	NUM PREV OTHER MV CONV	FNOPOTH	Numeric	3

NUMBER PREVIOUS OTHER HARMFUL MOVING VIOLATIONS CONVICTIONS

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
263	85.7	0	0 other convictions
31	10.1	1	1 other conviction
5	1.6	2	2 other convictions
1	0.3	3	3 other convictions
2	0.7	4	4 other convictions

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
FARS DRIVER VARIABLES

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
1	0.3	5	5 other convictions
4	1.3	99	Unknown

Variable	Name	Format	Type	Length
v221	LAST ACCIDENT - MONTH	FACMONTH	Numeric	3

LAST ACCIDENT/SUSPENSION/CONVICTION – MONTH

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
201	65.5	0	No record
7	2.3	1	January
7	2.3	2	February
7	2.3	3	March
9	2.9	4	April
11	3.6	5	May
14	4.6	6	June
11	3.6	7	July
7	2.3	8	August
8	2.6	9	September
8	2.6	10	October
7	2.3	11	November
6	2.0	12	December
4	1.3	99	Unknown

Variable	Name	Format	Type	Length
v222	LAST ACCIDENT - YEAR		Numeric	4

LAST ACCIDENT/SUSPENSION/CONVICTION – YEAR

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
201	65.5	0	No record
6	2.0	2001	2001
32	10.4	2002	2002
42	13.7	2003	2003
22	7.2	2004	2004
4	1.3	9999	Unknown

Variable	Name	Format	Type	Length
v223	FIRST ACCIDENT - MONTH	FACMONTH	Numeric	3

1st ACCIDENT/SUSPENSION/CONVICTION – MONTH

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
201	65.5	0	No record

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
9	2.9	1	January
8	2.6	2	February
6	2.0	3	March
11	3.6	4	April
11	3.6	5	May
13	4.2	6	June
10	3.3	7	July
5	1.6	8	August
8	2.6	9	September
10	3.3	10	October
5	1.6	11	November
6	2.0	12	December
4	1.3	99	Unknown

Variable	Name	Format	Type	Length
v224	FIRST ACCIDENT - YEAR		Numeric	4

1st ACCIDENT/SUSPENSION/CONVICTION – YEAR

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
201	65.5	0	No record
25	8.1	2001	2001
37	12.1	2002	2002
28	9.1	2003	2003
12	3.9	2004	2004
4	1.3	9999	Unknown

Variable	Name	Format	Type	Length
v227	DRIVER RELATED FACTORS#1	FDRF02F	Numeric	3

FACTORS AT DRIVER LEVEL – RESPONSE #1

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
206	67.1	0	None
Physical/Mental Condition			
2	0.7	1	Drowsy, sleepy, asleep, fatigued
0	0.0	2	Ill, passed out/blackout
0	0.0	3	Emotional (e.g., depression, angry, disturbed)
0	0.0	4	Reaction to or failure to take drugs / medication
0	0.0	5	Under the influence of alcohol, drugs or medication
9	2.9	6	Inattentive (talking, eating, etc.)
0	0.0	7	Restricted to wheelchair
0	0.0	8	Road rage/aggressive driving
0	0.0	9	Impaired due to previous injury
0	0.0	11	Other physical impairment (includes paraplegic)

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
FARS DRIVER VARIABLES

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
0	0.0	12	Mother of dead fetus
0	0.0	13	Mentally challenged
0	0.0	15	Seat back not in normal upright position, seat back reclined
0	0.0	16	Police or law enforcement officer
Miscellaneous Causes			
0	0.0	18	Traveling on prohibited trafficways
0	0.0	19	Legally driving on suspended or revoked license
0	0.0	20	Leaving vehicle unattended with engine running
0	0.0	21	Overloading/improper loading of veh with pass or cargo
0	0.0	22	Towing or pushing improperly
0	0.0	23	Failing to dim lights or to have lights on when required
0	0.0	24	Operating without required equipment
1	0.3	26	Following improperly
0	0.0	27	Improper or erratic lane changing
12	3.9	28	Failure to keep in proper lane
0	0.0	29	Illegal driving on road shoulder, ditch, sidewalk, median
0	0.0	30	Making improper entry to or exit from trafficway
2	0.7	31	Starting or backing improperly
0	0.0	32	Opening closure into moving traffic or while vehicle is in motion
0	0.0	33	Passing where prohibited by posted signs, school bus
0	0.0	34	Passing on wrong side
0	0.0	35	Pass w/insuff distance/inadequate visibility; failing to yield to overtaking vehicle
4	1.3	36	Oper veh in an erratic, reckless, careless, negligent manner
0	0.0	37	Police pursuing this driver or police officer in pursuit
29	9.4	38	Failure to yield right-of-way
3	1.0	39	Fail to obey traffic signs, control devices, officers, etc
0	0.0	40	Passing through or around barrier
0	0.0	41	Fail to observe warnings/instructions on vehicle displaying them
0	0.0	42	Failure to signal intentions
10	3.3	44	Driving too fast for conditions/in excess of posted maximum
0	0.0	45	Driving less than posted minimum
0	0.0	46	Racing
0	0.0	47	Making right turn from left turn lane; or lt turn from rt turn ln
2	0.7	48	Making other improper turn
0	0.0	50	Driving wrong way on one-way traffic
0	0.0	51	Driving on wrong side of road (intentional or unintentional)
0	0.0	52	Operator inexperience
0	0.0	53	Unfamiliar with roadway
1	0.3	54	Stopped in roadway (vehicle not abandoned)
0	0.0	55	Underriding a parked truck
0	0.0	57	Locked wheel
1	0.3	58	Overcorrecting
0	0.0	59	Getting off/out of or on/into vehicle
Vision Obscured By:			
2	0.7	61	Rain, snow, fog, smoke, sand, dust

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
FARS DRIVER VARIABLES

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<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
1	0.3	62	Reflected glare, bright sunlight, headlights
0	0.0	63	Curve, hill, design features (incl traf signs, embankment)
0	0.0	64	Building, billboard, other structures
0	0.0	65	Trees, crops, vegetation
0	0.0	66	Motor vehicle (including load)
1	0.3	67	Parked vehicle
0	0.0	68	Splash or spray of passing vehicle
0	0.0	69	Inadequate defrost or defog system
0	0.0	70	Inadequate lighting system
1	0.3	71	Obstructing angles on vehicle
0	0.0	72	Mirrors
0	0.0	75	Broken or improperly cleaned windshield
0	0.0	76	Other visual obstruction
Avoiding, Swerving or Sliding due to:			
0	0.0	77	Severe crosswind
0	0.0	78	Wind from passing truck
1	0.3	79	Slippery or loose surface
1	0.3	80	Tire blow-out or flat
0	0.0	81	Debris or objects in road
0	0.0	82	Ruts, holes, bumps in road
0	0.0	83	Live animals in road
1	0.3	84	Vehicle in road
0	0.0	85	Phantom vehicle
2	0.7	86	Pedestrian, pedalcyclist, or other nonmotorist in road
3	1.0	87	Ice, snow, slush, water, sand, dirt, oil, wet leaves on road
0	0.0	88	Trailer fishtailing or swaying
Special Circumstances			
0	0.0	73	Driver not complied w/learner's permit/intermed dr lic restrics
0	0.0	74	Driver not complied w/physical/other imposed restrictions
0	0.0	89	Driver has a record/driver's license from more than 1 state
0	0.0	90	Hit and run vehicle, driver
0	0.0	91	Nontraffic violation charged - manslaughter, homicide, other
0	0.0	92	Other nonmoving traffic violations
Possible Distractions (inside vehicle)			
4	1.3	93	Cellular phone present in vehicle
1	0.3	94	Cellular phone in use in vehicle
0	0.0	95	Computer / fax machines / printers
0	0.0	96	On-board navigation system
0	0.0	97	Two-way radio
0	0.0	98	Head-up display
7	2.3	99	Unknown

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
FARS DRIVER VARIABLES

Variable	Name	Format	Type	Length
v228	DRIVER RELATED FACTORS#2	FDRF02F	Numeric	3

FACTORS AT DRIVER LEVEL – RESPONSE #2

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
273	88.9	0	None
			Physical/Mental Condition
3	1.0	6	Inattentive (talking, eating, etc.)
			Miscellaneous Causes
1	0.3	27	Improper or erratic lane changing
1	0.3	36	Oper veh in an erratic, reckless, careless, negligent manner
9	2.9	38	Failure to yield right-of-way
2	0.7	39	Fail to obey traffic signs, control devices, officers,etc
3	1.0	44	Driving too fast for conditions/in excess of posted maximum
2	0.7	48	Making other improper turn
1	0.3	51	Driving on wrong side of road (intentional or unintentional)
1	0.3	58	Overcorrecting
			Vision Obscured By:
1	0.3	76	Other visual obstruction
			Avoiding, Swerving or Sliding due to:
1	0.3	87	Ice, snow, slush, water, sand, dirt, oil, wet leaves on road
			Special Circumstances
1	0.3	92	Other nonmoving traffic violations
			Possible Distractions (inside vehicle)
1	0.3	93	Cellular phone present in vehicle
7	2.3	99	Unknown

Variable	Name	Format	Type	Length
v229	DRIVER RELATED FACTORS#3	FDRF02F	Numeric	3

FACTORS AT DRIVER LEVEL – RESPONSE #3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
292	95.1	0	None
			Physical/Mental Condition
1	0.3	6	Inattentive (talking, eating, etc.)

Miscellaneous Causes				
2	0.7	28	Failure to keep in proper lane	
1	0.3	38	Failure to yield right-of-way	
1	0.3	58	Overcorrecting	
Vision Obscured By:				
1	0.3	69	Inadequate defrost or defog system	
Avoiding, Swerving or Sliding due to:				
1	0.3	87	Ice, snow, slush, water, sand, dirt, oil, wet leaves on road	
Special Circumstances				
1	0.3	91	Nontraffic violation charged - manslaughter, homicide, other	
7	2.3	99	Unknown	

Variable	Name	Format	Type	Length
v230	DRIVER RELATED FACTORS#4	FDRF02F	Numeric	3

FACTORS AT DRIVER LEVEL – RESPONSE #4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
300	97.7	0	None
7	2.3	99	Unknown

Variable	Name	Format	Type	Length
v231	VIOLATIONS CHARGED#1	FVCHG97F	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
283	92.2	0	None

RECKLESS/CARELESS/HIT-AND-RUN TYPE OFFENSES				
2	0.7	1	Manslaughter or homicide	
0	0.0	2	Willful reckless driving; driving to endanger; negligent	
1	0.3	3	Unsafe reckless (not willful, wanton reckless) driving	
3	1.0	4	Inattentive, careless, improper driving	
0	0.0	5	Fleeing or eluding police	
0	0.0	6	Fail to obey police, fireman, authorized person directing traffic	
0	0.0	7	Hit-and-run, fail to stop after accident	
0	0.0	8	Fail to give aid, info., wait for police after accident	
0	0.0	9	Serious violation resulting in death	
IMPAIRMENT OFFENSES				
0	0.0	11	Driving while intoxicated (alcohol/drugs) or BAC above limit	
0	0.0	12	Driving while impaired	

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
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<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
0	0.0	13	Driving under influence of substance not intended to intoxicate
0	0.0	14	Drinking while operating
0	0.0	15	Illegal possession of alcohol or drugs
0	0.0	16	Driving with detectable alcohol
0	0.0	18	Refusal to submit to chemical test
0	0.0	19	Alcohol, drug, or impairment violations generally

SPEED-RELATED OFFENSES

0	0.0	21	Racing
1	0.3	22	Speeding (above the Speed Limit)
1	0.3	23	Speed greater than reasonable & prudent
0	0.0	24	Exceed special speed limit (e.g. ,for trucks, in school zone)
0	0.0	25	Energy speed (exceeding 55 MPH, non-pointable)
0	0.0	26	Driving too slowly
0	0.0	29	Speed related violations, generally

RULES OF THE ROAD – TRAFFIC SIGN & SIGNALS

0	0.0	31	Fail to stop for red signal
0	0.0	32	Fail to stop for flashing red
0	0.0	33	Viol of turn on red (fail to stop/yield; yield to peds before turn)
0	0.0	34	Fail to obey flashing signal (yellow or red)
0	0.0	35	Fail to obey signal generally
0	0.0	36	Violate RR grade crossing device/regulations
1	0.3	37	Fail to obey stop sign
0	0.0	38	Fail to obey yield sign
0	0.0	39	Fail to obey traffic control device

RULES OF THE ROAD – TURNING, YIELDING, SIGNALING

0	0.0	41	Turn in violation of traf control (disobey signs, etc.)
0	0.0	42	Improper method & position of turn (too wide, wrong lane)
0	0.0	43	Fail to signal for turn or stop
0	0.0	45	Fail to yield to emergency vehicle
4	1.3	46	Fail to yield, generally
0	0.0	48	Enter intersection when space insufficient
0	0.0	49	Turn, yield, signaling violations, generally

RULES OF THE ROAD – WRONG SIDE, PASSING & FOLLOWING

0	0.0	51	Driving wrong way on one-way road
0	0.0	52	Driving on left, wrong side of road generally
0	0.0	53	Improper, unsafe passing
0	0.0	54	Pass on right (drive off pavement to pass)
0	0.0	55	Pass stopped school bus
0	0.0	56	Fail to give way when overtaken
0	0.0	58	Following too closely
0	0.0	59	Wrong side, passing, following violations, generally

RULES OF THE ROAD – LANE USAGE

0	0.0	61	Unsafe or prohibited lane change
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<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
0	0.0	62	Improper use of lane
0	0.0	63	Certain traffic to use right lane (trucks, slow moving, etc.)
0	0.0	66	Motorcycle lane violations (>2 per lane, riding between lanes)
0	0.0	67	Motorcyclist attached to another vehicle
0	0.0	69	Lane violations, generally
NON-MOVING – LICENSE & REGISTRATION VIOLATIONS			
0	0.0	71	Driving while lic withdrawn (inc viol of provisions of work permit)
0	0.0	72	Other driver license violations
0	0.0	73	Commercial driver violations (log book, hours, permits carried)
0	0.0	74	Vehicle registration violations
0	0.0	75	Fail to carry insurance card
0	0.0	76	Driving uninsured vehicle
0	0.0	79	Nonmoving violations, generally
EQUIPMENT			
0	0.0	81	Lamp violations
0	0.0	82	Brake violations
0	0.0	83	Failure to require restraint use (by self or passenger)
0	0.0	84	Motorcycle equipment violations (helmet, special equip)
0	0.0	85	Violation of hazardous cargo regulations
0	0.0	86	Size, weight, load violations
1	0.3	89	Equipment violations, generally
OTHER VIOLATIONS			
0	0.0	91	Parking
0	0.0	92	Theft, unauthorized use of motor vehicle
0	0.0	93	Driving where prohibited (sidewalk, limited access, etc)
0	0.0	98	Other moving violation (coasting, backing, opening door)
10	3.3	99	Unknown violation

Variable	Name	Format	Type	Length
v232	VIOLATIONS CHARGED#2	FVCHG97F	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
295	96.1	0	None

RULES OF THE ROAD – TRAFFIC SIGN & SIGNALS			
1	0.3	31	Fail to stop for red signal

RULES OF THE ROAD – TURNING, YIELDING, SIGNALING			
1	0.3	43	Fail to signal for turn or stop
1	0.3	46	Fail to yield, generally

NON-MOVING – LICENSE & REGISTRATION VIOLATIONS			
1	0.3	79	Nonmoving violations, generally

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<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
8	2.6	99	Unknown violation

Variable	Name	Format	Type	Length
v233	VIOLATIONS CHARGED#3	FVCHG97F	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
299	97.4	0	None
8	2.6	99	Unknown violation

Variable	Name	Format	Type	Length
v235	DRIVER HEIGHT (INCHES)		Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
3	1.0	59	
		-	Actual inches
1	0.3	78	
5	1.6	99	Unknown

Variable	Name	Format	Type	Length
v236	DRIVER WEIGHT		Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
1	0.3	110	
		-	Actual weight in pounds
1	0.3	320	
98	31.9	999	Unknown

The OCCUPANT Variables

Variables 306 through 363 describe the occupant of the bus (i.e., the driver) and are obtained from the FARS occupant file.

Variable	Name	Format	Type	Length
v306	OCCUPANT NUMBER		Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
2	0.7	0	None
305	99.3	1	Occupant #1

Variable	Name	Format	Type	Length
v308	OCCUPANT AGE	FOCCAGE	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
0	0.0	15	15 years
0	0.0	16	16 years
0	0.0	17	17 years
0	0.0	18	18 years
1	0.3	19	19 years
1	0.3	20	20 years
2	0.7	21	21 years
0	0.0	22	22 years
0	0.0	23	23 years
2	0.7	24	24 years
1	0.3	25	25 years
3	1.0	26	26 years
6	2.0	27	27 years
5	1.6	28	28 years
0	0.0	29	29 years
3	1.0	30	30 years
5	1.6	31	31 years
5	1.6	32	32 years
0	0.0	33	33 years
4	1.3	34	34 years
3	1.0	35	35 years
8	2.6	36	36 years
10	3.3	37	37 years
3	1.0	38	38 years
10	3.3	39	39 years
6	2.0	40	40 years
10	3.3	41	41 years
9	2.9	42	42 years
7	2.3	43	43 years
11	3.6	44	44 years
9	2.9	45	45 years

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
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<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
10	3.3	46	46 years
8	2.6	47	47 years
15	4.9	48	48 years
10	3.3	49	49 years
8	2.6	50	50 years
7	2.3	51	51 years
9	2.9	52	52 years
7	2.3	53	53 years
5	1.6	54	54 years
7	2.3	55	55 years
8	2.6	56	56 years
9	2.9	57	57 years
7	2.3	58	58 years
5	1.6	59	59 years
7	2.3	60	60 years
7	2.3	61	61 years
8	2.6	62	62 years
6	2.0	63	63 years
2	0.7	64	64 years
2	0.7	65	65 years
6	2.0	66	66 years
2	0.7	67	67 years
4	1.3	68	68 years
6	2.0	69	69 years
4	1.3	70	70 years
1	0.3	71	71 years
5	1.6	72	72 years
0	0.0	73	73 years
2	0.7	74	74 years
0	0.0	75	75 years
0	0.0	76	76 years
0	0.0	77	77 years
0	0.0	78	78 years
0	0.0	79	79 years
1	0.3	80	80 years
0	0.0	81	81 years
0	0.0	82	82 years
0	0.0	83	83 years
0	0.0	84	84 years
5	1.6	99	Unknown

Variable	Name	Format	Type	Length
v309	OCCUPANT SEX	FSEX	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
208	67.8	1	Male

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
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<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
97	31.6	2	Female
2	0.7	9	Unknown

Variable	Name	Format	Type	Length
v310	OCCUPANT TYPE	FPTYP94F	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
305	99.3	1	Driver of a motor vehicle in transport
2	0.7	99	Unknown occupant type

Variable	Name	Format	Type	Length
v311	OCC SEATING POSITION	FSEAT82F	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
305	99.3	11	Front seat - left side (driver's side)
2	0.7	99	Unknown

Variable	Name	Format	Type	Length
v312	RESTRAINT SYSTEM USE	FRUSE94F	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
32	10.4	0	None used (veh occ) or not applicable (nonmotorist)
1	0.3	1	Shoulder belt
37	12.1	2	Lap belt
196	63.8	3	Lap and shoulder belt
1	0.3	8	Restraint used - type unknown
40	13.0	99	Unknown

Variable	Name	Format	Type	Length
v313	AIR BAG AVAIL/FUNCTION	FAIRB98F	Numeric	3

AIRBAG AVAILABILITY - DEPLOYMENT

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
0	0.0	0	Nonmotorist
Deployed (for this seat)			
4	1.3	1	From the front
0	0.0	2	From the side
0	0.0	7	From other direction
0	0.0	8	From multiple direction
2	0.7	9	From unknown direction

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
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<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
			Not Deployed (for this seat)
11	3.6	20	Airbag available - no deployment
0	0.0	28	Airbag available - switched off
			Unknown if Deployed
7	2.3	29	Airbag available - unknown if deployed
			Not Available
281	91.5	30	Not available (this seat)
0	0.0	31	Previously deployed/not replaced
0	0.0	32	Disabled/removed
2	0.7	99	Unknown if airbag available (for this seat)

Variable	Name	Format	Type	Length
v314	OCCUPANT EJECTION	FEJECT	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
300	97.7	0	Not ejected - not applicable
4	1.3	1	Totally ejected
0	0.0	2	Partially ejected
3	1.0	9	Unknown

Variable	Name	Format	Type	Length
v315	EJECTION PATH	FEPATH	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
300	97.7	0	Not ejected: N/A
0	0.0	1	Side door opening
0	0.0	2	Side window
1	0.3	3	Windshield
0	0.0	4	Back window
0	0.0	5	Back door/tailgate opening
0	0.0	6	Roof opening (sunroof, convertible top down)
0	0.0	7	Roof (convertible top up)
0	0.0	8	Other path (e.g., back of pickup truck)
6	2.0	9	Unknown/unknown path

Variable	Name	Format	Type	Length
v316	OCCUPANT EXTRICATION	FEXTR	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
298	97.1	0	Not extricated - not applicable

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
6	2.0	1	Extricated
3	1.0	9	Unknown

Variable	Name	Format	Type	Length
v321	DRUG INVOLVEMENT	FDRUGS	Numeric	3

POLICE REPORTED OTHER DRUG INVOLVEMENT

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
83	27.0	0	No (other drugs not involved)
0	0.0	1	Yes (other drugs involved)
215	70.0	8	Not reported
9	2.9	9	Unknown (police reported as unknown)

Variable	Name	Format	Type	Length
v322	DRUG DETERMINATION	FDRUGDET	Numeric	3

METHOD OTHER DRUG DETERMINATION (POLICE)

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
4	1.3	1	Evidential test (blood, urine)
0	0.0	2	Drug Recognition Technician (DRT) determined
7	2.3	3	Behavioral
21	6.8	7	Other
275	89.6	8	Not reported

Variable	Name	Format	Type	Length
v323	DRUG TEST TYPE #1	FDR_TEST	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
206	67.1	0	Not tested for drugs
43	14.0	1	Blood test
2	0.7	2	Urine test
1	0.3	3	Both: blood and urine test performed
0	0.0	7	Unknown test type
1	0.3	8	Other type test
54	17.6	9	Unknown if tested for drugs

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
FARS OCCUPANT VARIABLES

Variable	Name	Format	Type	Length
v324	DRUG TEST RESULTS #1	FDR93RES	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
206	67.1	0	Not tested for drugs
33	10.7	1	No drugs reported
1	0.3	208	Narcotic drug
1	0.3	996	Other drug
9	2.9	997	Tested for drugs, results unknown
0	0.0	998	Tested for drugs, drugs found, type unknown
57	18.6	999	Unknown if tested for drugs

Variable	Name	Format	Type	Length
v325	DRUG TEST TYPE #2	FDR_TEST	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
272	88.6	0	Not tested for drugs
0	0.0	1	Blood test
0	0.0	2	Urine test
0	0.0	3	Both: blood and urine test performed
0	0.0	7	Unknown test type
0	0.0	8	Other type test
35	11.4	9	Unknown if tested for drugs

Variable	Name	Format	Type	Length
v326	DRUG TEST RESULTS #2	FDR93RES	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
272	88.6	0	Not tested for drugs
0	0.0	1	No drugs reported
0	0.0	996	Other drug
0	0.0	997	Tested for drugs, results unknown
0	0.0	998	Tested for drugs, drugs found, type unknown
35	11.4	999	Unknown if tested for drugs

Variable	Name	Format	Type	Length
v327	DRUG TEST TYPE #3	FDR_TEST	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
272	88.6	0	Not tested for drugs
0	0.0	1	Blood test
0	0.0	2	Urine test
0	0.0	3	Both: blood and urine test performed

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<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
0	0.0	7	Unknown test type
0	0.0	8	Other type test
35	11.4	9	Unknown if tested for drugs

Variable	Name	Format	Type	Length
v328	DRUG TEST RESULTS #3	FDR93RES	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
272	88.6	0	Not tested for drugs
0	0.0	1	No drugs reported
0	0.0	996	Other drug
0	0.0	997	Tested for drugs, results unknown
0	0.0	998	Tested for drugs, drugs found, type unknown
35	11.4	999	Unknown if tested for drugs

Variable	Name	Format	Type	Length
v329	OCCUPANT INJURY SEVERITY	FINJURY	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
205	66.8	0	0 - no injury
42	13.7	1	C - possible injury
28	9.1	2	B - nonincapacitating evident injury
16	5.2	3	A - incapacitating injury
12	3.9	4	K - fatal injury
1	0.3	5	Injured, severity unknown
0	0.0	6	Died prior to accident
3	1.0	9	Unknown

Variable	Name	Format	Type	Length
v330	OCC TAKEN TO HOSPITAL	FHOSPIT	Numeric	3

TAKEN TO HOSPITAL OR TREATMENT FACILITY

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
224	73.0	0	No
75	24.4	1	Yes
8	2.6	9	Unknown

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
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Variable	Name	Format	Type	Length
v331	OCC DEATH DATE - MONTH		Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
293	95.4	0	Not applicable
1	0.3	1	January
1	0.3	3	March
3	1.0	4	April
1	0.3	5	May
1	0.3	6	June
1	0.3	7	July
1	0.3	8	August
2	0.7	10	October
1	0.3	12	December
2	0.7	99	Unknown

Variable	Name	Format	Type	Length
v332	OCC DEATH DATE - DAY		Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
293	95.4	0	Not applicable
1	0.3	3	
		-	Day of month
1	0.3	28	
2	0.7	99	Unknown

Variable	Name	Format	Type	Length
v333	OCC DEATH DATE - YEAR		Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
293	95.4	0	Not applicable
12	3.9	2004	2004
2	0.7	9999	Unknown

Variable	Name	Format	Type	Length
v334	OCC DEATH TIME - HOURS	FACHOUR	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
293	95.4	0	12:01 am - 12:59 am, or not applicable
1	0.3	1	1:00 am - 1:59 am
3	1.0	4	4:00 am - 4:59 am
2	0.7	5	5:00 am - 5:59 am
1	0.3	7	7:00 am - 7:59 am

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
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<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
1	0.3	11	11:00 am - 11:59 am
1	0.3	12	12:00 pm - 12:59 pm
1	0.3	14	2:00 pm - 2:59 pm
1	0.3	16	4:00 pm - 4:59 pm
3	1.0	99	Unknown

Variable	Name	Format	Type	Length
v335	OCC DEATH TIME - MINUTES		Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
294	95.8	0	
		-	Minute
1	0.3	55	
4	1.3	99	Unknown

Variable	Name	Format	Type	Length
v336	LAG TIME ACC/DEATH - HRS		Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
9	2.9	0	
		-	Actual time in hours
1	0.3	364	
297	96.7	999	Unknown

Variable	Name	Format	Type	Length
v342	OCC FATAL INJURY AT WORK	FWORKINJ	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
5	1.6	0	No
6	2.0	1	Yes
293	95.4	8	Not Applicable (not a fatality)
3	1.0	9	Unknown

Variable	Name	Format	Type	Length
v345	OCC ALCOHOL INVOLVEMENT	FDRINK	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
197	64.2	0	No (alcohol not involved)
1	0.3	1	Yes (alcohol involved)
92	30.0	8	Not reported
17	5.5	9	Unknown (police reported)

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
FARS OCCUPANT VARIABLES

Variable	Name	Format	Type	Length
v346	OCC METH ALC DETERMINAT	FALC_D	Numeric	3

METHOD OF ALCOHOL DETERMINATION (POLICE)

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
16	5.2	1	Evidential test (breath, blood, urine)
5	1.6	2	Preliminary Breath Test (PBT)
1	0.3	3	Behavioral
1	0.3	4	Passive Alcohol Sensor (PAS)
44	14.3	5	Observed
0	0.0	8	Other (e.g., Saliva test)
240	78.2	9	Not reported

Variable	Name	Format	Type	Length
v347	ALCOHOL TEST TYPE	FTESTTYP	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
179	58.3	0	Not tested for alcohol
65	21.2	1	Whole blood
6	2.0	2	Breathalyzer "BAC"
2	0.7	3	Urine
0	0.0	4	Vitreous
0	0.0	5	Blood plasma/serum
0	0.0	6	Blood clot
0	0.0	7	Liver
1	0.3	8	Other test type
4	1.3	10	Preliminary Breath Test (PBT)
50	16.3	99	Unknown / not reported

Variable	Name	Format	Type	Length
v348	OCC ALCOHOL TEST RESULT	FT_RES	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
69	22.5	0	BAC result < 0.01%
0	0.0	94	.94 or greater
0	0.0	95	Test refused
179	58.3	96	None given
10	3.3	97	AC test performed, results unknown
0	0.0	98	PBT positive reading with no actual value
49	16.0	99	Unknown if tested

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
FARS OCCUPANT VARIABLES

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Variable v361	Name RACE	Format FRACE	Type Numeric	Length 3
<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>	
293	95.4	0	Not a fatality (not applicable)	
6	2.0	1	White	
4	1.3	2	Black	
0	0.0	3	American Indian (includes Aleuts and Eskimos)	
0	0.0	4	Chinese	
			Asian or Pacific Islander	
0	0.0	5	Japanese	
0	0.0	6	Hawaiian (includes part-Hawaiian)	
0	0.0	7	Filipino	
0	0.0	18	Asian Indian	
0	0.0	19	Other Indian (incl S/Cen Amer, not Amer/Asian Indians)	
0	0.0	28	Korean	
0	0.0	38	Samoan	
0	0.0	48	Vietnamese	
0	0.0	58	Guamanian	
1	0.3	68	Other Asian or Pacific Islander	
0	0.0	78	Asian or Pacific Islander, no specific (individual) race	
0	0.0	97	Multiple races (individuals races not specified; ex. "mixed")	
0	0.0	98	All other races	
3	1.0	99	Unknown	

Variable v362	Name HISPANIC ORIGIN	Format FHISPAN	Type Numeric	Length 3
<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>	
293	95.4	0	Not a fatality (not applicable)	
0	0.0	1	Mexican	
0	0.0	2	Puerto Rican	
0	0.0	3	Cuban	
1	0.3	4	Central or South American	
0	0.0	5	European Spanish	
1	0.3	6	Hispanic, origin not specified or other origin	
9	2.9	7	Non-Hispanic	
3	1.0	99	Unknown	

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
FARS OCCUPANT VARIABLES

Variable	Name	Format	Type	Length
v363	OCC DEAD ON ARRIVAL	FDOA01F	Numeric	3

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
295	96.1	0	Not applicable(non-fatals/victims dying other than scene)
9	2.9	7	Died at scene
0	0.0	8	Died en route
3	1.0	9	Fatal, unknown location

The SURVEY Variables

Information in variables 1110 through 1870 was collected by the BIFA interview.

Variable	Name	Format	Type	Length
v1110	BUS MAKE	V1110_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
0	0.0	1	AM General
1	0.3	7	Dodge
41	13.4	12	Ford
12	3.9	20	Chevrolet
6	2.0	23	GMC
0	0.0	51	Volvo
77	25.1	84	International Harvester
19	6.2	90	Blue Bird
0	0.0	91	Eagle Coach
12	3.9	92	Gillig
28	9.1	93	MCI
10	3.3	94	Thomas Built
6	2.0	111	Flxible/Grumman Flxible
8	2.6	112	Neoplan
21	6.8	113	New Flyer
1	0.3	114	Ontario
5	1.6	115	TMC
5	1.6	116	Orion
5	1.6	117	Prevost
8	2.6	118	Van Hool
42	13.7	998	Other
0	0.0	999	Unknown

Variable	Name	Format	Type	Length
v1120	FINAL-STAGE MANUFACTURER	\$CHAR50	Char	20

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
7	2.3	AMTRAN	Amtran
27	8.8	BLUE	Blue Bird
4	1.3	CARPENT	Carpenter
1	0.3	CORBEIL	Corbeil
1	0.3	CROWN	Crown
5	1.6	ELDORAD	Eldorado National
16	5.2	THOMAS	Thomas Built
4	1.3	WARD	Ward
242	78.8	NA	Not Applicable/Unknown

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
SURVEY VARIABLES

Variable v1130	Name MODEL YEAR	Format V1130_F	Type Numeric	Length 4
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<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
0	0.0	1979	1979
2	0.7	1980	1980
2	0.7	1981	1981
1	0.3	1982	1982
0	0.0	1983	1983
2	0.7	1984	1984
0	0.0	1985	1985
1	0.3	1986	1986
6	2.0	1987	1987
5	1.6	1988	1988
5	1.6	1989	1989
7	2.3	1990	1990
7	2.3	1991	1991
7	2.3	1992	1992
14	4.6	1993	1993
14	4.6	1994	1994
17	5.5	1995	1995
18	5.9	1996	1996
28	9.1	1997	1997
21	6.8	1998	1998
25	8.1	1999	1999
27	8.8	2000	2000
30	9.8	2001	2001
26	8.5	2002	2002
18	5.9	2003	2003
20	6.5	2004	2004
4	1.3	2005	2005
0	0.0	9999	Unknown

Variable v1140	Name FRONT OF BUS	Format V1140_F	Type Numeric	Length 4
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<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
0	0.0	0	Unknown
142	46.3	1	Conventional Hood
164	53.4	2	Flat Front
1	0.3	8	Other

Variable	Name	Format	Type	Length
v1150	ENGINE LOCATION	V1150_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
136	44.3	1	Rear
168	54.7	2	Front
1	0.3	8	Other
2	0.7	9	Unknown

Variable	Name	Format	Type	Length
v1160	FUEL TYPE	V1160_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
20	6.5	1	Gasoline
253	82.4	2	Diesel
14	4.6	6	CNG
0	0.0	7	LPG
3	1.0	8	Other
17	5.5	9	Unknown

Variable	Name	Format	Type	Length
v1170	BUS MODEL	\$CHAR10	Char	10

BUS MODEL NAME OR NUMBER

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
1	0.3	102C3	
		-	Model name or number
1	0.3	VISION	
60	19.5	Unknown	Unknown

Variable	Name	Format	Type	Length
v1180	BUS TYPE	V1180_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
6	2.0	1	Type A School Bus
1	0.3	2	Type B School Bus
97	31.6	3	Type C School Bus
26	8.5	4	Type D School Bus
87	28.3	5	Flat Front (like transit or shuttle)
5	1.6	6	Big Cowl & Chassis
50	16.3	7	High Platform
20	6.5	8	Small Cowl & Chassis

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
SURVEY VARIABLES

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
15	4.9	98	Other
0	0.0	99	Unknown

Variable v1190	Name DESCRIPTION OF BUS	Format \$CHAR50	Type Char	Length 50
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<u>N</u>	<u>Prcnt</u>	<u>Code and Label</u>
10	3.3	Alternative Fuel Heavy-Duty Transit Bus
1	0.3	Alternative Fuel Mid-Size Shuttle Bus
1	0.3	Alternative Fuel Shorter Transit Bus
2	0.7	Bus On Van-Based Chassis
1	0.3	Conventional-Hood Bus
2	0.7	Electric Trolley Bus
3	1.0	Full-Size Conventional-Hood Bus
93	30.3	Full-Size School Bus
3	1.0	Full-Size Shuttle Bus
51	16.6	Heavy-Duty Transit Bus
10	3.3	Large Passenger Van
2	0.7	Large Passenger Van With Cargo Trailer
44	14.3	Long-Distance Coach
5	1.6	Long-Distance Coach With Wheelchair Lift
1	0.3	Long-Distance Commuter Coach With Wheelchair Lift
16	5.2	Mid-Size School Bus
1	0.3	Mid-Size Shuttle Bus
1	0.3	Mid-Size Shuttle Bus On Van-Based Chassis
2	0.7	Mid-Size Shuttle Bus With Wheelchair Lift
1	0.3	Personnel Transporter On Truck Cab & Chassis
3	1.0	School Bus
3	1.0	Short School Bus On Truck-Based Chassis
8	2.6	Shorter Transit Bus
1	0.3	Shuttle Bus
3	1.0	Shuttle Bus On Van-Based Chassis
6	2.0	Small School Bus
1	0.3	Small School Bus On Stripped Chassis
2	0.7	Small Shuttle Bus
1	0.3	Small Shuttle Bus On Van-Based Chassis
6	2.0	Small Shuttle Bus With Wheelchair Lift
1	0.3	Special Needs Full-Size Conventional-Hood Bus
6	2.0	Special Needs Full-Size School Bus
1	0.3	Special Needs Mid-Size School Bus
1	0.3	Special Needs Mid-Size Shuttle Bus
1	0.3	Special Needs Short School Bus On Truck Chassis
4	1.3	Special Needs Small Shuttle Bus
4	1.3	Transit Bus
2	0.7	Trolley Replica Bus

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
SURVEY VARIABLES

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Variable	Name	Format	Type	Length
v1200	NUMBER OF AXLES	V1200_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
247	80.5	2	2 axles
54	17.6	3	3 axles
6	2.0	9	Unknown

Variable	Name	Format	Type	Length
v1210	BODY STYLE	V1210_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
292	95.1	1	Bus
12	3.9	2	Large Van
0	0.0	3	Mini Van
3	1.0	8	Other
0	0.0	9	Unknown

Variable	Name	Format	Type	Length
v1220	PASSENGER SEATING CAPACITY	V1220_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
1	0.3	8	8 Seats
2	0.7	9	9 Seats
1	0.3	10	10 Seats
2	0.7	11	11 Seats
6	2.0	12	12 Seats
1	0.3	13	13 Seats
11	3.6	14	14 Seats
2	0.7	15	15 Seats
2	0.7	16	16 Seats
1	0.3	18	18 Seats
2	0.7	19	19 Seats
2	0.7	20	20 Seats
1	0.3	21	21 Seats
3	1.0	22	22 Seats
1	0.3	24	24 Seats
1	0.3	25	25 Seats
2	0.7	26	26 Seats
1	0.3	27	27 Seats
2	0.7	28	28 Seats
4	1.3	30	30 Seats
1	0.3	31	31 Seats
2	0.7	32	32 Seats
1	0.3	33	33 Seats
3	1.0	35	35 Seats

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
SURVEY VARIABLES

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
2	0.7	36	36 Seats
2	0.7	37	37 Seats
10	3.3	38	38 Seats
3	1.0	39	39 Seats
11	3.6	40	40 Seats
3	1.0	41	41 Seats
3	1.0	42	42 Seats
9	2.9	43	43 Seats
6	2.0	44	44 Seats
8	2.6	45	45 Seats
1	0.3	46	46 Seats
12	3.9	47	47 Seats
3	1.0	48	48 Seats
6	2.0	49	49 Seats
3	1.0	50	50 Seats
1	0.3	51	51 Seats
1	0.3	52	52 Seats
3	1.0	53	53 Seats
4	1.3	54	54 Seats
11	3.6	55	55 Seats
4	1.3	56	56 Seats
3	1.0	57	57 Seats
1	0.3	58	58 Seats
4	1.3	59	59 Seats
6	2.0	60	60 Seats
0	0.0	61	61 Seats
1	0.3	62	62 Seats
5	1.6	64	64 Seats
15	4.9	65	65 Seats
10	3.3	66	66 Seats
4	1.3	70	70 Seats
14	4.6	71	71 Seats
22	7.2	72	72 Seats
8	2.6	77	77 Seats
2	0.7	78	78 Seats
1	0.3	83	83 Seats
4	1.3	84	84 Seats
1	0.3	90	90 Seats
40	13.0	996	15 or more seats
5	1.6	999	Unknown

Variable	Name	Format	Type	Length
v1230	NUMBER OF PASSENGERS	V1230_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
75	24.4	0	0 Passengers
13	4.2	1	1 Passenger

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
SURVEY VARIABLES

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<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
13	4.2	2	2 Passengers
9	2.9	3	3 Passengers
3	1.0	4	4 Passengers
10	3.3	5	5 Passengers
9	2.9	6	6 Passengers
12	3.9	7	7 Passengers
7	2.3	8	8 Passengers
7	2.3	9	9 Passengers
8	2.6	10	10 Passengers
6	2.0	11	11 Passengers
4	1.3	12	12 Passengers
5	1.6	13	13 Passengers
5	1.6	14	14 Passengers
6	2.0	15	15 Passengers
4	1.3	16	16 Passengers
3	1.0	17	17 Passengers
4	1.3	18	18 Passengers
1	0.3	19	19 Passengers
6	2.0	20	20 Passengers
3	1.0	21	21 Passengers
1	0.3	22	22 Passengers
2	0.7	23	23 Passengers
5	1.6	24	24 Passengers
6	2.0	25	25 Passengers
2	0.7	26	26 Passengers
2	0.7	27	27 Passengers
3	1.0	28	28 Passengers
2	0.7	29	29 Passengers
5	1.6	30	30 Passengers
2	0.7	31	31 Passengers
2	0.7	34	34 Passengers
1	0.3	35	35 Passengers
2	0.7	36	36 Passengers
2	0.7	37	37 Passengers
4	1.3	39	39 Passengers
1	0.3	42	42 Passengers
3	1.0	43	43 Passengers
4	1.3	44	44 Passengers
2	0.7	45	45 Passengers
2	0.7	46	46 Passengers
1	0.3	48	48 Passengers
1	0.3	50	50 Passengers
3	1.0	55	55 Passengers
1	0.3	60	60 Passengers
35	11.4	999	Unknown

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
SURVEY VARIABLES

Variable	Name	Format	Type	Length
v1240	GROSS VEHICLE WEIGHT RATING	V1240_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
0	0.0	1	6,000 lbs or less
18	5.9	2	6,001 - 10,000 lbs.
7	2.3	3	10,001 - 14,000 lbs.
14	4.6	4	14,001 - 16,000 lbs
3	1.0	5	16,001 - 19,500 lbs
14	4.6	6	19,501 - 26,000 lbs
91	29.6	7	26,001 - 33,000 lbs
102	33.2	8	33,001 lbs. or more
58	18.9	9	Unknown

Variable	Name	Format	Type	Length
v1250	EMPTY WEIGHT	6	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
3	1.0	6000	
1	0.3	-	Weight in pounds
1	0.3	45000	
23	7.5	999999	Unknown

Variable	Name	Format	Type	Length
v1260	LENGTH	V1260_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
1	0.3	18	18 feet
2	0.7	19	19 feet
16	5.2	20	20 feet
2	0.7	21	21 feet
4	1.3	22	22 feet
3	1.0	23	23 feet
4	1.3	24	24 feet
2	0.7	25	25 feet
1	0.3	26	26 feet
1	0.3	28	28 feet
2	0.7	29	29 feet
6	2.0	30	30 feet
1	0.3	31	31 feet
2	0.7	32	32 feet
6	2.0	33	33 feet
6	2.0	34	34 feet
27	8.8	35	35 feet
8	2.6	36	36 feet
5	1.6	37	37 feet

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
16	5.2	38	38 feet
9	2.9	39	39 feet
124	40.4	40	40 feet
2	0.7	41	41 feet
1	0.3	42	42 feet
1	0.3	43	43 feet
2	0.7	44	44 feet
27	8.8	45	45 feet
3	1.0	60	60 feet
23	7.5	999	Unknown

Variable	Name	Format	Type	Length
v1270	WIDTH	V1270_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
1	0.3	79	
11	3.6	-	Width in inches
97	31.6	102	
52	16.9	997	Unknown, but legal

Variable	Name	Format	Type	Length
v1280	GENERAL PASSENGER RESTRAINT	V1280_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
223	72.6	1	None
30	9.8	2	Lap Belts
8	2.6	3	Lap and Shoulder
2	0.7	7	Lap Belts, front pass only
4	1.3	8	Other
40	13.0	9	Unknown

Variable	Name	Format	Type	Length
v1290	SPECIAL NEEDS RESTRAINT	V1290_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
173	56.4	1	None
11	3.6	2	Wheelchair securement
5	1.6	3	Belts
73	23.8	4	Wheelchair securement and Belts
0	0.0	8	Other
45	14.7	9	Unknown

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
SURVEY VARIABLES

Variable v1310	Name DESCRIPTION OF OPERATING	Format \$CHAR50	Type Char	Length 50
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OPERATING AUTHORITY

<u>N</u>	<u>Prcnt</u>	<u>Code and Label</u>
1	0.3	Bicycle Tour Company Transporting Customers
41	13.4	Charter Service
1	0.3	Charter Service Cruise Ship Shuttle
2	0.7	Church Use
1	0.3	Community College Athletic Program
1	0.3	Community Service Organization
2	0.7	Commuter Service
1	0.3	Contracted Carrier For Community Service Org Camp
1	0.3	Contracted Carrier For Municipal On-Demand Shuttle
32	10.4	Contracted Carrier For School District
7	2.3	Contracted Carrier For Transit Authority
1	0.3	County Agency For Vocational Assistance
1	0.3	Drive Away Company Delivering New Bus
1	0.3	Drive Away Company Delivering Used Bus
2	0.7	Early Childhood Development Educational Program
1	0.3	Employee Transportation
1	0.3	Farm Labor Transportation
1	0.3	Federal Land Management Agency
1	0.3	International & Intercity Shuttle Service
5	1.6	Interstate Passenger & Express Freight
1	0.3	Municipal Airport Shuttle Service
3	1.0	National Armed Services Division
1	0.3	Non-Profit Community Organization
1	0.3	Non-Profit Organization Of Veterans
1	0.3	Non-Profit Organization Vocational Day Program
1	0.3	Non-Profit Senior Citizen Service Agency
1	0.3	Non-Profit Senior Citizen Service Organization
2	0.7	Nursing Facility Resident Transportation
1	0.3	Paratransit Service
1	0.3	Private School & College Operated By Church
89	29.0	Public School District
3	1.0	Public School State Department Of Education
2	0.7	Scheduled Route & On-Demand Shuttle Service
7	2.3	Scheduled Route & Paratransit Regional Urban Area
2	0.7	Scheduled Route & Paratransit Urban Area
1	0.3	Scheduled Route Intercity
1	0.3	Scheduled Route Regional Area
62	20.2	Scheduled Route Regional Urban Area
1	0.3	Scheduled Route Regional Urban Areas
14	4.6	Scheduled Route Urban Area
1	0.3	Scheduled Shuttle Service To Correctional Centers
2	0.7	Shuttle Service
1	0.3	Sightseeing Tour Service

<u>N</u>	<u>Prcnt</u>	<u>Code and Label</u>
1	0.3	State University
1	0.3	Tourist Shuttle Service
2	0.7	Unknown

Variable	Name	Format	Type	Length
v1320	FLEET SIZE	6	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
4	1.3	1	
		-	Fleet Size
2	0.7	5600	
82	26.7	999999	Unknown

Variable	Name	Format	Type	Length
v1330	NUMBER OWNED	6	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
7	2.3	0	
		-	Number Owned
2	0.7	5600	
96	31.3	999999	Unknown

Variable	Name	Format	Type	Length
v1340	NUMBER LEASED	6	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
185	60.3	0	
		-	Number Leased
5	1.6	2088	
96	31.3	999999	Unknown

Variable	Name	Format	Type	Length
v1350	BUS OPERATOR TYPE	V1350_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
125	40.7	1	School District
96	31.3	2	Urban Transit Authority
8	2.6	3	Scheduled Intercity
42	13.7	4	Charter Bus
2	0.7	5	Private Company (not pass transport)
9	2.9	6	Non-government Organization
6	2.0	7	Non-educational Unit of Government

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
SURVEY VARIABLES

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
0	0.0	8	Private individual for Personal Transportation
17	5.5	98	Other
2	0.7	99	Unknown

Variable	Name	Format	Type	Length
v1360	AREA OF OPERATION	V1360_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
119	38.8	1	Interstate
151	49.2	2	Intrastate
37	12.1	9	Unknown

Variable	Name	Format	Type	Length
v1370	OPERATING AUTHORITY	V1370_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
15	4.9	1	Private
99	32.2	2	For Hire
191	62.2	3	Government owned
2	0.7	9	Unknown

Variable	Name	Format	Type	Length
v1380	TRIP TYPE	V1380_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
211	68.7	1	Local
24	7.8	2	51 to 100 miles
13	4.2	3	101 to 200 miles
14	4.6	4	201 to 500 miles
7	2.3	5	Over 500 miles
0	0.0	6	Unknown over-the-road trip distance
38	12.4	9	Unknown

Variable	Name	Format	Type	Length
v1410	ROLLOVER	V1410_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
16	5.2	1	Yes
291	94.8	2	No
0	0.0	9	Unknown

Variable	Name	Format	Type	Length
v1420	DIRECTION OF ROLL	V1420_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
7	2.3	1	Left
9	2.9	2	Right
291	94.8	3	Not Applicable

Variable	Name	Format	Type	Length
v1430	NUMBER OF QUARTER TURNS	V1430_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
9	2.9	1	1 quarter turn
2	0.7	2	2 quarter turns
1	0.3	3	3 quarter turns
1	0.3	4	4 quarter turns
1	0.3	5	5 quarter turns
0	0.0	6	6 quarter turns
0	0.0	7	7 quarter turns
0	0.0	8	8 quarter turns
1	0.3	10	10 quarter turns
1	0.3	18	18 quarter turns
291	94.8	98	Not Applicable

Variable	Name	Format	Type	Length
v1510	HOURS OF DRIVING	6	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
88	28.7	1	1 hour
36	11.7	2	2 hours
24	7.8	3	3 hours
14	4.6	4	4 hours
13	4.2	5	5 hours
10	3.3	6	6 hours
6	2.0	7	7 hours
6	2.0	8	8 hours
2	0.7	10	10 hours
1	0.3	11	11 hours
5	1.6	96	Unknown but legal
1	0.3	97	Unknown, but over legal limit
2	0.7	98	Unoccupied
99	32.2	99	Unknown

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
SURVEY VARIABLES

Variable	Name	Format	Type	Length
v1520	COMPENSATION-HOURLY	V1520_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
183	59.6	1	Yes
57	18.6	2	No
67	21.8	9	Unknown

Variable	Name	Format	Type	Length
v1530	COMPENSATION-MILEAGE	V1530_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
9	2.9	1	Yes
231	75.2	2	No
67	21.8	9	Unknown

Variable	Name	Format	Type	Length
v1540	COMPENSATION-TIPS	V1540_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
5	1.6	1	Yes
235	76.5	2	No
67	21.8	9	Unknown

Variable	Name	Format	Type	Length
v1550	COMPENSATION-PERCENT REVENUE	V1550_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
0	0.0	1	Yes
240	78.2	2	No
67	21.8	9	Unknown

Variable	Name	Format	Type	Length
v1560	COMPENSATION-SALARY	V1560_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
20	6.5	1	Yes
220	71.7	2	No
67	21.8	9	Unknown

Variable	Name	Format	Type	Length
v1570	COMPENSATION-DRIVER OWNER	V1570_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
3	1.0	1	Yes
237	77.2	2	No
67	21.8	9	Unknown

Variable	Name	Format	Type	Length
v1580	COMPENSATION-DRIVER VOLUNTEER	V1580_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
4	1.3	1	Yes
236	76.9	2	No
67	21.8	9	Unknown

Variable	Name	Format	Type	Length
v1590	COMPENSATION-DRIVER PRIM EMP	V1590_F	Numeric	4

DRIVER'S PRIMARY EMPLOYMENT IS NOT AS A BUS DRIVER

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
8	2.6	1	Yes
232	75.6	2	No
67	21.8	9	Unknown

Variable	Name	Format	Type	Length
v1600	COMPENSATION-OTHER	V1600_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
21	6.8	1	Yes
219	71.3	2	No
67	21.8	9	Unknown

Variable	Name	Format	Type	Length
v1610	DESCRIPTION OF COMPENSATION	\$CHAR50	Char	50

COMPENSATION METHOD

<u>N</u>	<u>Prcnt</u>	<u>Code and Label</u>
2	0.7	Church Volunteer
1	0.3	Driver Is Activities Director For Nursing Facility
1	0.3	Driver Is Also Assistant Coach For College

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
SURVEY VARIABLES

<u>N</u>	<u>Prcnt</u>	<u>Code and Label</u>
1	0.3	Driver Is Also Faculty Member
1	0.3	Driver Is Also Laborer On Construction Crew
3	1.0	Driver Is Also Member Of National Armed Services
2	0.7	Driver Is Also Owner Of Charter Bus Company
1	0.3	Driver Is Also Teacher For Private School
2	0.7	Driver Is Also Teacher For School District
1	0.3	Driver Is Owner/Operator Of Shuttle Bus
1	0.3	Driver Is Parade Volunteer
1	0.3	Driver Is Related To Owner
1	0.3	Driver Paid By Bid
1	0.3	Greater Of Mileage Or Day Rate Plus Tips
1	0.3	No Driver-Bus Was Parked
2	0.7	Paid By Day
7	2.3	Paid By Route
4	1.3	Paid By Trip
2	0.7	Paid Flat Rate
272	88.6	Unknown

Variable	Name	Format	Type	Length
v1710	ACCIDENT TYPE	V1710_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
3	1.0	0	No impact
0	0.0	1	Drive off road, right
		-	Diagram number (see appendix)
2	0.7	97	Untripped rollover
32	10.4	98	Other accident type
2	0.7	99	Unknown

Variable	Name	Format	Type	Length
v1720	PEDESTRIAN FATALITY	V1720_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
9	2.9	1	Discharged passenger
4	1.3	2	Intended passenger
73	23.8	3	Not related to bus
212	69.1	97	No non-motorist involvement
4	1.3	98	Other
5	1.6	99	Unknown

Variable	Name	Format	Type	Length
v1830	INTERVIEW CONDUCTED	V1830_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
210	68.4	1	Yes
97	31.6	2	No
0	0.0	9	Unknown

Variable	Name	Format	Type	Length
v1840	POLICE REPORT	V1840_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
307	100.0	1	Yes
0	0.0	2	No
0	0.0	9	Unknown

Variable	Name	Format	Type	Length
v1850	FAX/MAIL	V1850_F	Numeric	4

INFORMATION RECEIVED BY FAX OR MAIL

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
80	26.1	1	Yes
227	73.9	2	No
0	0.0	9	Unknown

Variables 1861 through 1870 indicate modifications to responses received from the interview. Also indicated here are deductions made by the editors to fill in missing data elements. The numbers coded in these variables are the question numbers on the interview form (see Appendix).

Variable	Name	Format	Type	Length
v1861	1ST QUESTION DERIVED	V1861_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
126	41.0	0	None
25	8.1	8	Question 8
155	50.5	16	Question 16
1	0.3	17	Question 17

BUSES INVOLVED IN FATAL ACCIDENTS, 2004
SURVEY VARIABLES

Variable	Name	Format	Type	Length
v1862	2ND QUESTION DERIVED	V1862_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
296	96.4	0	None
11	3.6	16	Question 16

Variable	Name	Format	Type	Length
v1863	3RD QUESTION DERIVED	V1863_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
307	100.0	0	None

Variable	Name	Format	Type	Length
v1864	4TH QUESTION DERIVED	V1864_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
307	100.0	0	None

Variable	Name	Format	Type	Length
v1865	5TH QUESTION DERIVED	V1865_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
307	100.0	0	None

Variable	Name	Format	Type	Length
v1866	6TH QUESTION DERIVED	V1866_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
307	100.0	0	None

Variable	Name	Format	Type	Length
v1867	7TH QUESTION DERIVED	V1867_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
307	100.0	0	None

Variable	Name	Format	Type	Length
v1868	8TH QUESTION DERIVED	V1868_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
307	100.0	0	None

Variable	Name	Format	Type	Length
v1869	9TH QUESTION DERIVED	V1869_F	Numeric	4

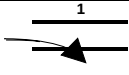
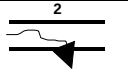
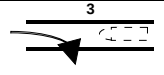
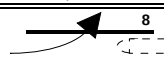
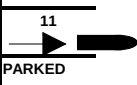
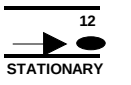
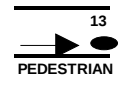
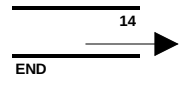
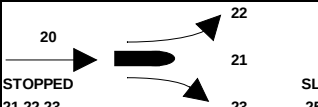
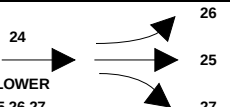
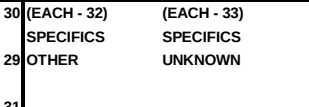
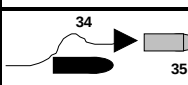
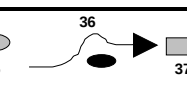
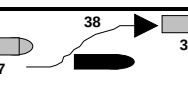
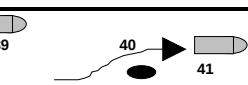
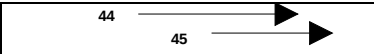
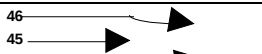
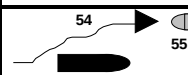
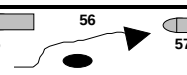
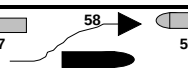
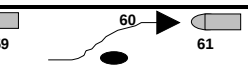
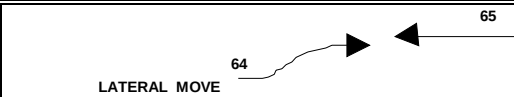
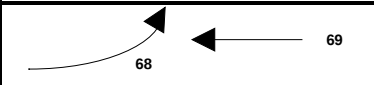
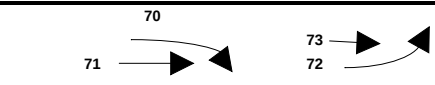
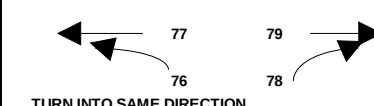
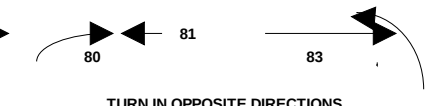
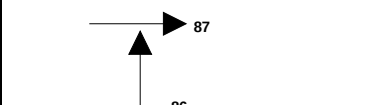
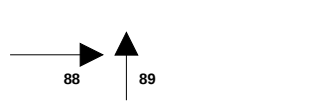
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307	100.0	0	None

Variable	Name	Format	Type	Length
v1870	10TH QUESTION DERIVED	V1870_F	Numeric	4

<u>N</u>	<u>Prcnt</u>	<u>Code</u>	<u>Label</u>
307	100.0	0	None

APPENDIX

ACCIDENT TYPES (INCLUDES INTENT)

CATEGORY	CONFIGURATION					
I SINGLE DRIVER	A. RIGHT ROADSIDE DEPARTURE	 1 DRIVE OFF ROAD	 2 CONTROL/ TRACTION LOSS	 3 AVOID COLLISION W/ VEHICLE, PEDESTRIAN, ANIMAL	4 SPECIFICS OTHER	5 SPECIFICS UNKNOWN
	B. LEFT ROADSIDE DEPARTURE	 6 DRIVE OFF ROAD	 7 CONTROL/ TRACTION LOSS	 8 AVOID COLLISION W/VEHICLE, PEDESTRIAN, ANIMAL	9 SPECIFICS OTHER	10 SPECIFICS UNKNOWN
	C. FORWARD IMPACT	 11 PARKED VEHICLE	 12 STATIONARY OBJECT	 13 PEDESTRIAN ANIMAL	 14 END DEPARTURE	15 SPECIFICS OTHER
II SAME TRAFFICWAY SAME DIRECTION	D. REAR-END	 20 STOPPED 21,22,23			 24 SLOWER 25,26,27	
		 28 DECELERATING 29,30,31			 30 (EACH - 32) SPECIFICS OTHER	
	E. FORWARD IMPACT	 34 CONTROL/ TRACTION LOSS	 36 CONTROL/ TRACTION LOSS	 38 AVOID COLLISION WITH VEHICLE	 40 AVOID COLLISION WITH OBJECT	(EACH - 42) SPECIFICS OTHER
	F. SIDESWIPE ANGLE	 44 45			 46 47	
III SAME TRAFFICWAY OPPOSITE DIRECTION	G. HEAD-ON	 50 51 LATERAL MOVE			(EACH - 52) SPECIFICS OTHER	
	H. FORWARD IMPACT	 54 CONTROL/ TRACTION LOSS	 56 CONTROL/ TRACTION LOSS	 58 AVOID COLLISION WITH VEHICLE	 60 AVOID COLLISION WITH OBJECT	(EACH - 62) SPECIFICS OTHER
	I. SIDESWIPE/ ANGLE	 64 65 LATERAL MOVE			(EACH - 66) SPECIFICS OTHER	
IV CHANGE TRAFFICWAY VEHICLE TURNING	J. TURN ACROSS PATH	 68 69 INITIAL OPPOSITE DIRECTIONS			 70 71 INITIAL SAME DIRECTION	
	K. TURN INTO PATH	 77 76 TURN INTO SAME DIRECTION			 80 81 TURN IN OPPOSITE DIRECTIONS	
V INTERSECTING PATH-VEHICLE DAMAGE	L. STRAIGHT PATHS	 86 87			 88 89	
VI MISC.	M. BACKING ETC.	 92 BACKING VEHICLE			93 OTHER VEHICLE OR OBJECT	
					97 UNTRIPPED ROLLOVER 98 OTHER ACC TYPE 99 UNKNOWN ACC TYPE 00 NO IMPACT	

CENTER FOR NATIONAL TRUCK & BUS STATISTICS

BUSES INVOLVED IN FATAL ACCIDENTS SURVEY

Accident Date _____ / _____ / **2004**
Month Day Year

ACCIDENT IDENTIFICATION *(fill out prior to interview)*

1. FARS State Code

_____	_____
1	2

State of Accident _____

2. FARS Case No.

_____	_____	_____	_____
3	4	5	6

3. FARS Vehicle No.

_____	_____
7	8

NOTE: Put all information and calculations on this form.

VEHICLE DESCRIPTION

4. Bus Make

AM General	[]	001
Dodge	[]	007
Ford	[]	012
Chevrolet	[]	020
GMC	[]	023
International Harvester	[]	084
Blue Bird	[]	090
Eagle Coach	[]	091
Gillig	[]	092
MCI	[]	093
Thomas Built	[]	094
Flxible/Grumman Flxible	[]	111
Neoplan	[]	112
New Flyer	[]	113
Ontario	[]	114
TMC	[]	115
Orion	[]	116
Prevost	[]	117
Van Hool	[]	118
Other _____	[]	998

9-11

Final-Stage Manufacturer

(Specify)

5. Bus Model Year:

_____	_____	_____	_____
32	33	34	35

6. Front of Bus

Conventional hood
 Flat Front
 Other _____

(Specify)

[]	1
[]	2
[]	8

36

7. Engine Location

Rear
 Front
 Other _____

(Specify)

[]	1
[]	2
[]	8

37

8. Fuel

Gasoline
 Diesel
 CNG
 LPG
 Other _____

(Specify)

[]	1
[]	2
[]	6
[]	7
[]	8

38

9. Bus Model

(Name or No.)

(Specify)

(editor)

12-31

Bus Model

(editor)

39 40 41 42 43 44 45 46 47 48

10. Bus Type:
- Type A School Bus
 Type B School Bus
 Type C School Bus
 Type D School Bus
 Flat Front (like transit or shuttle bus)
 Big Cowl and Chassis
 High Platform
 Small Cowl and Chassis
 Other _____
(Specify)

[]	01
[]	02
[]	03
[]	04
[]	05
[]	06
[]	07
[]	08
[]	98
49-50	

Describe the Bus:

51-100

(editor)

11. No. of Axles:

101

17. Length:
-
- (feet)*

116
117
118

12. Body Style:

Bus
 Large Van
 Mini Van
 Other

[]	1
[]	2
[]	3
[]	8
102	

18. Width:
-
- (inches)*

119
120
121

13. Passenger Seating Capacity:

(does not include driver but does include designated wheelchair spaces)

103
104
105

19. Type of restraint system for general
- passengers
- :

None
 Lap belts
 Lap and shoulder belts
 Lap belts, front passengers only
 Other _____
(Specify)

[]	1
[]	2
[]	3
[]	7
[]	8
122	

14. Number of passengers on the bus at the time of the accident
-
- (does not include driver)*

106
107
108

15. GVWR

 (editor)

109

16. Empty Weight:
-
- (pounds)*

110
111
112
113
114
115

20. Type of restraint system for special needs
- passengers
- :

None
 Wheelchair securement
 Belts (attachment point on vehicle)
 Wheelchair securement and belts

[]	1
[]	2
[]	3
[]	4
123	

VEHICLE USE

21. Describe Bus Operating Authority:

124-173 (editor)

22. Fleet Size:
(buses only)

174 175 176 177 178

No. Owned

179	180	181	182	183
-----	-----	-----	-----	-----

No. Leased

184 185 186 187 188

23. Bus Operator Type:

School District
Urban transit authority
Scheduled intercity
Charter bus
Private company (not pass. transport)
Non-govt. organization
Non-educational unit of govt.
Private individual for personal
-transportation
Other _____
(Specify)

[]	01
[]	02
[]	03
[]	04
[]	05
[]	06
[]	07
[]	08
[]	98
189-190	

25. Operator : Private
Carry passengers for hire
Govt. owned

$\begin{bmatrix} & \end{bmatrix} 1$
 $\begin{bmatrix} & \end{bmatrix} 2$
 $\begin{bmatrix} & \end{bmatrix} 3$
 192

24. Within twelve months before the accident, did any of the operator's buses carry passengers across state lines?

Yes
No

191

26. Intended One-Way Trip Distance

Local (within a 50 mile radius of base)

Over-the-Road

51 to 100 miles

101 to 200 miles

201 to 500 miles

Greater than 500 miles

Unknown over-the-road trip distance

[]	1
[]	2
[]	3
[]	4
[]	5
[]	6

ACCIDENT DESCRIPTION

27. Did the bus roll over?

Yes
No

194

28. Direction of roll:

Left
Right
Other

[] 1
[] 2
[] 8
195

29. Number of quarter turns of roll:

196	197
-----	-----

DRIVER DESCRIPTION

30. How many hours had the driver been driving since the last 8-hour break?

198 199	Hrs.
---	------

31. How was the driver compensated for this trip?
(check all that apply)

	Hourly	1	2	200
	Mileage	1	2	201
	Tips	1	2	202
	Percentage of revenue	1	2	203
	Salary	1	2	204
	Driver is owner	1	2	205
	Driver is volunteer	1	2	206
	Driver's primary employment is not as bus driver	1	2	207
	Other _____ <i>(Specify)</i>	1	2	208

32. Describe compensation method:

	209-258	(editor)
---	---------	----------

REMAINDER TO BE COMPLETED BY EDITOR.

33. Collision avoidance section. Illustrate pre-collision scenario below. Enter GES code.

259 260

--

34. Latitude of accident

0							1							2						
261		262		263		264		265		266		267								

35. Longitude of accident

								0	1	1
268	269	270	271	272	273	274	275			

36. Interview?

Yes [] 1
No [] 2

276

37. Police report?

Yes [] 1
No [] 2

277

38. FAX/Mail?

Yes ☐ 1
No ☐ 2

278

DERIVED INFORMATION (Insert question numbers.)

279	280	281	282	283	284	285	286	287	288
289	290	291	292	293	294	295	296	297	298

NON-MOTORIST FATALITY

39. Relationship of non-motorist to bus:

Discharged passenger [] 01

Intended passenger	[] 02
--------------------	--------

Not related to bus	[1] 03
--------------------	----------

No non-motorist involvement	[] 97
-----------------------------	--------

Other _____	[] 98
-------------	--------

Other: _____	[] 99
(Specify)	
Unknown	[] 99

299-300

40. PAR Number

301 302 303 304 305 306 307 308 309 310 311 312

41. ICC Number

313 314 315 316 317 318

42. DOT Number

[illegible]

43. State PSC Number

326 327 328 329 330 331 332 333 334 335

44. State issuing

336 337