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1.1 Theme Map Projection

Every shapefile or coverage has the following map projection:

Datum:	NAD 83
Projection:	California Teale Albers
Units:	Meters
1st Std. Parallel:	34 degrees N
2nd Std. Parallel:	40.5 degrees N
Longitude of Origin:	-120 degrees W
Latitude of Origin:	0 degrees N
False Easting:	0
False Northing:	-4,000,000
Spheroid:	GCS North American 1983

1.2 Theme Naming

CTIS Project Data Files	SHAPEFILE	METADATA NAME	Geometry Type
Airport Projects	airpoint	Airpoint	points
Planned B, P, and T	pl_bpt	Planned Bike, Ped, and Transit	points
Programmed B, P, and T	pr_bprt	Programmed Bike, Ped, and Transit	points
Planned Hwy Projects	ctis_h_pl	Planned Hwy Projects	lines
Programmed Hwy Projects	ctis_h_pr	Programmed Hwy Projects	lines
Planned Local Projects	local_pl	Planned Local Projects	lines
Programmed Local Projects	local_pr	Programmed Local Projects	lines
Planned Charted Projects	pl_charted	Planned Charted Projects	lines
Programmed Charted Projects	pr_charted	Programmed Charted Projects	lines
Planned Railroad Projects	rail_pl	Planned Railroad Projects	lines
Programmed Railroad Projects	rail_pr	Programmed Railroad Projects	lines

REFERENCE THEME NAMES	SHAPEFILE	METADATA NAME
Air Basins	abas	ABAS
Airport Projects	airpoint	Airport Projects
Airports	airport	airport
All MPO	mpo_dot	mpo_dot
Alpine Roads	alpine	FUNC
Amador Roads	ama	FUNC
AMBAG Roads	skag	FUNC
Bay	bay	Bay
Butte CAG Roads	but	FUNC
CA Assembly Districts	assemb	assem90A
CA Congressional Districts	congress	congr90A
CA Senate Districts	senate	senat90A
Calaveras Roads	theme8	FUNC
Caltrans Districts	district	district
Charted Airport Projects	airchart	Airport Projects
Cnty_arc	cnty_arc	

Colusa Roads	col	FUNC
Commercial/Primary	cpair	airport
Community Airports	cmty	airport
County Boundaries	cobnd	Cnty_bnd
County Population 1980	county	Cnty_bnd
County Population 1990	county	Cnty_bnd
County Population 2000	county	Cnty_bnd
Del Norte Roads	dn	FUNC
Fresno CAG Roads	fre	FUNC
Glenn Roads	gle	FUNC
Highway Border Crossings	hwybndpt	
Humboldt Roads	theme10	FUNC
Inyo Roads	iny	FUNC
Joint Use Airports	joint	airport
Kern COG Roads	ker	FUNC
Kings County Roads	kings	FUNC
Lake Roads	lak	FUNC
Lassen Roads	las	FUNC
Limited Use Airports	ltd	airport
Local Projects	local	Local Projects
Madera Roads	mad	FUNC
Mariposa Roads	mpa	FUNC
Mendocino Roads	men	FUNC
Merced COG Roads	mer	FUNC
Metropolitan Airports	metair	airport
Modoc Roads	mod	FUNC
Mono Roads	mno	FUNC
MPO Boundaries	mpo_dot	mpo_dot
MTC Roads	mtc	FUNC
Non-MPO Counties	nonmpo	
Places	plactis	
Planned B, P, R, and T	bprt_pl	Planned B, P, R, and T
Planned Hwy Projects (linear)	ctis_h_pl	Planned Hwy Projects (linear)
Planned Hwy Projects (points)	ctis_hpt_pl	Planned Hwy Projects (points)
Plumas Roads	plu	FUNC
Population Increase 1980-2000	county	Cnty_bnd
Population Increase 2000-2020	county	Cnty_bnd
Ports	danport	port
Programmed B, P, R, and T	bprt_pr	Programmed B, P, R, and T
Programmed Hwy Projects (linear)	ctis_h_pr	Programmed Hwy Projects (linear)
Programmed Hwy Projects (points)	ctis_hpt_pr	Programmed Hwy Projects (points)
Rail Projects	railproj	Rail Projects
Railroad Stations	rr_stn	rr_stn
Railroads	danrail	Rail
Regional Airports	reg	airport
RTPA	rtpa_dot	rtpa_dot
SACOG Roads	sacog2	FUNC
San Francisco Roads	sffunc	FUNC
San Joaquin COG Roads	sj	FUNC
San Luis Obispo COG Roads	slo	FUNC
SANDAG Roads	sandag	FUNC
Santa Barbara COG Roads	sb	FUNC
SCAG Roads	theme4	FUNC
Shasta RTPA Roads	sha	FUNC

Siskiyou Roads	sis	FUNC
Sited Airport Projects	airsite	Airport Projects
Stanislaus CAG Roads	sta	FUNC
State Highways	hiway	FUNC
State Highways (shields)	hiway	
Tehama Roads	teh	FUNC
Trinity Roads	tri	FUNC
Tulare CAG Roads	tul	FUNC
Tuolumne Roads	tuo	FUNC
Urban	dsv_urb	dsv_urb
Water	lake500	lake500

1.3 Aliases

ITEM NAME	TABLE HEADING (ALIAS)
Dist	District
Co	County
Rte	Route
Pm1b	From Postmile
Pm1a	To Postmile
Postmile	Postmile
Title	Project Title
Proj_des	Project Description
Line_yr	Line Year
Const_yr	Construction Year
Total_cost	Total Cost
Purpose	Not Shown
Purp_code	Purpose Code
Cur_Fac	Not Shown
Cur_Fac_de	Current Facility
Res_accont	Not Shown
Res_accon_	Resulting Access Control
Cur_numlan	Current No. of Lanes
Res_numlan	Resulting No. of Lanes
Air_Qua	Not Shown
Air_Qua1	Air Quality Conformity
Goods_move	Not Shown
Goods_move1	Facilitates Goods Movement
ITS	Not Shown
ITS1	Intelligent Transportation System
Doc	Document
Doc_yr	Document Year
MPO_ID	MPO ID
Agency_cod	Not Shown
Agencyname	Agency
Rtpa	Not Shown
Rtpaname	RTPA Name
Code	Not Shown
Proj_type	Project Type
Map_code	Map Code
Ctisprojid	CTIS Project ID
CTIPS_ID	CTIPS ID
City	City

Theme Metadata

1.4 Boundary Features

1.4.1.1 Air Basins

LEGEND THEME NAME	SHAPEFILE	METADATA NAME
Air Basins	abas	ABASA

COVERAGE NAME: ABASA

COVERAGE AREA: Statewide

COVERAGE DESCRIPTION: The ABASA coverage is a polygon coverage representing the California air basins as defined by California state law and federal law and regulation. See the California Administrative Code, Title 17, Section 60100 et seq. and California Health and Safety Code Section 39601 et seq., and Federal 40 CFR Chapter 1, Section 81. The library layer is a polygon coverage, which shows the basin boundaries and their names as of March 1998.
Air basins are large areas, which incorporate multiple counties or parts of counties. Their definitions are primarily based on county lines. There are 14 air basins in the State of California.

USER NOTES: Annotation, text stored as a coverage feature, labeling the air basin names has been created for this coverage.

VITAL STATISTICS:

Source: Teale Data Center GIS Lab
Source Media: Various digital and paper maps
Source Projection: Albers Equal Area - Digital
Source Units: Meters
Source Scale: Various
Capture Method: Some hand digitizing combined with existing digital linework (County, PLSS and hydro)
Conversion Software: ARC/INFO rev. 5.0.1
Data Structure: Vector
ARC/INFO Coverage Type: Polygon
ARC/INFO Precision: Double
ARC/INFO Tolerances: 0.1 meter
Data Updated: May 1994; March 1995, 1997 edits and attribute Corrections, March 1998 name corrections

1.4.1.1.1 POLYGON Attribute Fields

File name: ABASA.PAT
Record length: 64

NOTE: Items common to all polygon coverages: AREA, PERIMETER, <coverage>#, and <coverage>-ID are not described here.

COLUMN	ITEM NAME	WIDTH	OUTPUT	TYPE	N.DEC
25	BASIN_NAME	40	40	C	-

1.4.1.1.2 ITEM DESCRIPTIONS:

BASIN_NAME: Name of the air basin, i.e. SACRAMENTO VALLEY

RELATIONAL DATA DESCRIPTION: Currently there are no data relationships established.

DATABASE RELATION: Currently there are no database relationships established.

DATA QUALITY ASSESSMENT: The following are subjective comments regarding this data. The coverage is complete since all 14 air basins are represented. The coverage is based on Teale Data Center GIS Lab's county Public Land Survey System (PLSS) and hydrography linework. These were digitized from 1:100,000 source material (county lines and some PLSS) or converted from Digital Line Graph (DLG) sources. Based on our comparisons of the 1:100K data with 1:24K data we would rate the accuracy of this layer as good. The only attribute for this layer is the air district name, which accurately reflects the basin names as supplied by the Air Resources Board.

1.4.1.2 Assembly Districts

LEGEND THEME NAME	SHAPEFILE	METADATA NAME
CA Assembly Districts	assem00	assem00

COVERAGE NAME: ASSEM00

COVERAGE AREA: STATE

COVERAGE DESCRIPTION:

The 'ASSEM00' layer represents the 2002 Assembly district boundaries as created by the State Supreme Court. District lines were created from 2000 census tract lines which are based on US Census Bureau TIGER/Line files. Where Assembly district lines coincide with county boundaries or state highways linework from the Caltrans library cnty_bnd or st_hwy coverage has been included. This ARC/INFO coverage originated from Atlas GIS interchange files supplied by the Supreme Court.

VITAL STATISTICS:

Datum:	NAD 83
Projection:	Albers
Units:	Meters
1st Std. Parallel:	34 00 00 (34.0 degrees N)
2nd Std. Parallel:	40 30 00 (40.5 degrees N)
Longitude of Origin :	-120 00 00 (120.0 degrees W)
Latitude of Origin:	00 00 00 (0.0 degrees)
False Easting (X shift):	0
False Northing (Y shift):	-4,000,000
Source:	California State Supreme Court digital files
Source Units:	Decimal degrees
Source Scale:	1:100,000
Capture Method:	Converted to ARC/INFO from Atlas GIS interchange files
Conversion Software:	ARC/Info Rev 5.0
Data Structure:	Vector
ARC/INFO Coverage Type:	Polygon
ARC/INFO Precision:	Single
ARC/INFO Tolerances:	.1 meter fuzzy/5 meter dangle
Number of Features:	88
Layer Size:	3.9 MB
Data Updated:	December 2000 - Replacement of coincident county lines December 2000 - Membership updated January 2003 - Membership updated

DATA DICTIONARY:

NOTE: Items common to all polygon coverages: AREA, PERIMETER, <coverage>#, and <coverage>-ID are not described here.

1.4.1.2.1 POLYGON attribute fields:

COLUMN	ITEM NAME	WIDTH	OUTPUT	TYPE	N.DEC
17	DISTRICT	3	3	I	-
20	MEMBER	30	30	C	-
50	PARTY	1	1	C	-

1.4.1.2.2 ITEM DESCRIPTIONS:

DISTRICT: District number

MEMBER: Assembly member's name

PARTY: Member's political party affiliation

DATA QUALITY ASSESSMENT:

The following are subjective comments regarding this data.

Feature completeness is excellent. Feature accuracy is fair. Since the lines are based on TIGER Linework, it ranges in accuracy from very good (DLG areas) to very poor (GBF/DIME areas). Attribute completeness and accuracy is excellent for the attributes DISTRICT, MEMBER and PARTY.

1.4.1.3 Congressional Districts

LEGEND THEME NAME	SHAPEFILE	METADATA NAME
CA Congressional Districts	congr00	congr00

COVERAGE NAME: CONGR00

COVERAGE AREA: STATE

COVERAGE DESCRIPTION:

The 'CONGR00' coverage represents the 2002 Congressional district boundaries as created by the State Supreme Court. District lines were created from 2000 census
tract lines which are based on US Census Bureau TIGER/Line files. Where Congressional district lines coincide with county boundaries or state highways linework from the Caltrans library cnty_bnd or st_hwy coverage has been included. This ARC/INFO coverage originated from Atlas GIS interchange files supplied by the Supreme Court. This ARC/INFO coverage was created from Atlas GIS interchange files supplied by the Supreme Court.

VITAL STATISTICS:

Datum:	NAD 83
Projection:	Albers
Units:	Meters
1st Std. Parallel:	34 00 00 (34.0 degrees N)
2nd Std. Parallel:	40 30 00 (40.5 degrees N)

Longitude of Origin:	-120 00 00 (120.0 degrees W)
Latitude of Origin:	00 00 00 (0.0 degrees)
Latitude of Origin:	00 00 00
False Easting (X shift):	0
False Northing (Y shift):	-4,000,000
Source:	California State Supreme Court digital files
Source Units:	Decimal degrees
Source Scale:	1:100,000
Capture Method:	Converted to ARC/INFO from Atlas GIS interchange files
Conversion Software:	ARC/Info Rev 5.0
Data Structure:	Vector
ARC/INFO Coverage Type:	Polygon
ARC/INFO Precision:	Single
ARC/INFO Tolerances:	.1 meter fuzzy/5 meter dangle
Number of Features:	60
Layer Size:	3.6 MB
Data Updated:	December 2000 - Replacement of coincident county lines January 2001 – Replacement of coincident state highway line January 2003 – Membership updated

DATA DICTIONARY:

DATAFILE NAME: CONGR00.AAT
RECORD LENGTH: 33

NOTE: Items common to all POLYGON coverages: AREA, PERIMETER, CONGR00# and CONGR00-ID are not described here.

1.4.1.3.1 POLYGON attribute fields:

COLUMN	ITEM NAME	WIDTH	OUTPUT	TYPE	N.DEC
17	DISTRICT	2	2	I	-
19	MEMBER	25	25	C	-
44	PARTY	1	1	C	-

1.4.1.3.2 ITEM DESCRIPTIONS:

DISTRICT:	District number
MEMBER:	Congress member's name
PARTY:	Member's political party affiliation

DATA QUALITY ASSESSMENT:

The following are subjective comments regarding this data.

Feature completeness is excellent. Feature accuracy is fair. Since the lines are based on TIGER Linework, it ranges in accuracy from very good (DLG areas) to very poor (GBF/DIME areas). Attribute completeness and accuracy is excellent for the attributes DISTRICT, MEMBER and PARTY.

1.4.1.4 County Boundaries

LEGEND THEME NAME	SHAPEFILE	METADATA NAME
Charted Projects by Number per County	county	Cnty_bnd
Charted Projects by Total Cost per County	county	Cnty_bnd
County Boundaries	cobnd	Cnty_bnd
County Population 1980	county	Cnty_bnd
County Population 1990	county	Cnty_bnd
Population Increase 1980-2000	county	Cnty_bnd
Population Increase 2000-2020	county	Cnty_bnd

COVERAGE NAME: CNTY_BND

COVERAGE AREA: Statewide, County

COVERAGE DESCRIPTION: The CNTY_BND coverage is a polygon coverage representing county boundaries and Caltrans adjusted county boundaries in California. Caltrans adjusted county boundaries are lines where there are discrepancies between the Caltrans county map series and the US Geological Survey Digital Line Graph (DLG).

USER NOTES: For coastal counties, the shorelines are defined as the county boundaries. Users who need to know the legal county boundaries can do so by employing the BAY item. The Caltrans adjusted boundaries are employed by using the DISPLAY item. Users should note that some counties will have multiple polygons.

VITAL STATISTICS:

Source:	USGS DLG
Source Media:	Mylar Maps
Source Projection:	Universal Transverse Mercator Zones 10 & 11
Source Units:	Digitizer Inches
Source Scale:	1:100,000 derived from 1:24,000 sources
Capture Method:	Digitized on CALComp 9100
Conversion Software:	ARC/INFO rev. 5.0.1
Data Structure:	Vector
ARC/INFO Coverage Type:	Polygon
ARC/INFO Precision:	Double
Frequency of Updates:	Varies
Data Updated:	February 1995

DATA DICTIONARY:

File name: CNTY_BND.PAT
Record length: 50

NOTE: Items common to all polygon coverages: AREA, PERIMETER, <coverage>#, and <coverage>-ID are not described here.

1.4.1.4.1 POLYGON attribute fields:

COLUMN	ITEM NAME	WIDTH	OUTPUT	TYPE	N.DEC
25	CO	3	3	C	-
28	NAME	20	20	C	-
48	BAY	1	1	I	-
49	DISPLAY	2	2	I	-

1.4.1.4.2 ITEM DESCRIPTIONS:

CO: Caltrans county abbreviations
NAME: County name
BAY: Indicates the legal county boundary
1 = Legal county line is offshore
DISPLAY: Item used to display the Caltrans adjusted boundaries
1 = Caltrans adjusted boundary

RELATIONAL DATA DESCRIPTION: Currently there are no data relationships established.

DATA BASE RELATION: Currently there are no database relationships established.

1.4.1.5 Caltrans Districts

LEGEND THEME NAME	SHAPEFILE	METADATA NAME
Caltrans Districts	district	district

COVERAGE NAME: DISTRICT

COVERAGE AREA: State, District

COVERAGE DESCRIPTION:

The DISTRICT coverage is a polygon coverage representing the California Department of Transportation (Caltrans) district boundaries. There are 12 Caltrans Districts in California.

The source for the district boundaries was the Caltrans County Map Series. The district boundary definitions are primarily based on the county boundaries. The linework for this coverage was derived from the county layer in the Teale GIS Library. When a district boundary deviated from the county boundary, the district boundary was digitized from the Caltrans County Map Series.

USER NOTES:

Annotation, text stored as a coverage feature, labeling the district numbers has been created for this coverage.

VITAL STATISTICS:

Datum: NAD 83
Projection: Albers
Units: Meters
1st Std. Parallel: 34 degrees N
2nd Std. Parallel: 40.5 degrees N
Longitude of Origin: -120 degrees W
Latitude of Origin: 0 degrees N
False Easting: 0
False Northing: -4,000,000
Source: Teale GIS Library and Caltrans County Map Series
Source Media: Digital coverages and paper maps
Source Projection: Albers
Source Units: Meters
Source Scale: 1:100,000 derived from 1:24,000 sources Capture Method: Existing DLG linework and digitized
Conversion Software: ARC/INFO rev. 5.0.1
Data Structure: Vector
ARC/INFO Coverage Type: Polygon
ARC/INFO Precision: Double
ARC/INFO Tolerances:

Frequency of Updates: Varies
Data Updated: February 1995
Update Media: Caltrans County Map Series
Update Method:
Update Software: ARC/INFO rev 6.1.1

DATA DICTIONARY:

File name: DISTRICT.PAT
Record length: 56

NOTE: Items common to all polygon coverages: AREA, PERIMETER, <coverage>#, and <coverage>-ID are not described here.

1.4.1.5.1 POLYGON attribute fields:

COLUMN	ITEM NAME	WIDTH	OUTPUT	TYPE	N.DEC
25	LOCATION	20	20	C	-
45	DISTRICT	12	12	C	-

1.4.1.5.2 ITEM DESCRIPTIONS:

LOCATION: District office location

DISTRICT: Caltrans district number

RELATIONAL DATA DESCRIPTION:

Currently there are no data relationships established.

DATABASE RELATION:

Currently there are no database relationships established.

DATA QUALITY ASSESSMENT:

This coverage is complete since all 12 Caltrans districts are represented. The attribute information and the district boundaries for this coverage were last reviewed and updated in February 1995.

1.4.1.6 Urban Area Boundaries

LEGEND THEME NAME	SHAPEFILE	METADATA NAME
Urban	dsv_urb	dsv_urb

COVERAGE NAME: DSV_URB

COVERAGE AREA: State, County

COVERAGE DESCRIPTION:

The DSV_URB coverage is a polygon coverage representing the 1990 Caltrans urban area boundaries in California which were derived from the 1990 Census urban area boundaries.

USER NOTES:

Polygons representing rural areas may be found within an urban area polygon. The item attributes COFIP, STCOFIP and CO are not included in the Statewide coverage.

VITAL STATISTICS:

Datum:	NAD 83
Projection:	Albers
Units:	Meters
1st Std. Parallel:	34 degrees N
2nd Std. Parallel:	40.5 degrees N
Longitude of Origin:	-120 degrees W
Latitude of Origin:	0 degrees N
False Easting:	0
False Northing:	-4,000,000
Source Media:	Caltrans County Map Series
Source Projection:	Latitude/Longitude (Geographic)
Source Units:	Meters
Source Scale:	1:24,000
Capture Method:	Digitized
Conversion Software:	ARC/INFO rev. 6.0
Data Structure:	Vector
ARC/INFO Coverage Type:	Polygon
ARC/INFO Precision:	Double
ARC/INFO Tolerances:	20 meters
Data Updated:	February 1998
Update Media:	Caltrans County Map Series
Update Method:	Digitizing
Update Software:	ARC/INFO rev. 7.0.3

DATA DICTIONARY:

File name: DSV_URB.PAT
Record length: 79

NOTE: Items common to all polygon coverages: AREA, PERIMETER, <coverage>#, and <coverage>-ID are not described here.

1.4.1.6.1 POLYGON attribute fields:

COLUMN	ITEM NAME	WIDTH	OUTPUT	TYPE	N.DEC
17	NAME	40	40	C	-
57	URBCODE	3	3	I	-
60	URBCEN	4	4	I	-
64	SUFIP	5	5	I	-
69	COFIP	3	3	I	-
72	STCOFIP	5	5	I	-
77	CO	3	3	C	-

1.4.1.6.2 ITEM DESCRIPTIONS:

NAME: Name of the urban or urbanized areas as specified by FHWA

URBCODE: Urban Area Census Code
Unique urbanized area code as specified by FHWA

URBCEN: This item is coded to represent the MSA/CMSA/PMSA/NECMA code which is a four-digit FIPS code assigned to metropolitan areas in alphabetic sequence. These codes are published by the National Institute of Standards and Technology (NIST) in Federal Information Processing Standard (FIPS) Publication 8-5, issued October 31, 1984, and related updates.

SUFIP: Small Urban Area FIPS Code
Unique urban area code as specified by FHWA

COFIP: County fips code
Specified by FHWA

STCOFIP: State county fips code
Specified by FHWA

CO: Caltrans county abbreviations

RELATIONAL DATA DESCRIPTION:

Currently there are no data relationships established.

DATABASE RELATION:

Currently there are no database relationships established.
DATA QUALITY ASSESSMENT:

1.4.1.7 MPO Boundaries

LEGEND THEME NAME	SHAPEFILE	METADATA NAME
All MPO	mpo_dot	mpo_dot
MPO Boundaries	mpo_dot	mpo_dot

COVERAGE NAME: MPO_DOT

COVERAGE AREA: Statewide

RELATED TABLE: mpo_dot.lut

COVERAGE DESCRIPTION:

The MPO_DOT coverage is polygon coverage representing the Metropolitan Planning Organization (MPO) legislative boundaries as indicated in the California Transportation Agencies Listing, Division of Transportation Planning, Office of Regional and Interagency Planning.

The boundary definitions are primarily based on county lines.

USER NOTES:
Multi-county agencies, e.g. Sacramento Area Council of Governments (SACOG) are represented by a single polygon.

Display Caution: In order to avoid shading internal polygon that are not MPO's, reselect polygons for "NAME" not equal to blank (' ').

VITAL STATISTICS:

Datum:	NAD 83
Projection:	Albers
Units:	Meters
1st Std. Parallel:	34 degrees N
2nd Std. Parallel:	40.5 degrees N
Longitude of Origin:	-120 degrees W
Latitude of Origin:	0 degrees N
False Easting:	0
False Northing:	-4,000,000
Source:	Caltrans HQ Transportation Planning
Source Media:	
Source Projection:	
Source Units:	
Source Scale:	
Capture Method:	Existing DLG linework
Conversion Software:	
Data Structure:	Vector
ARC/INFO Coverage Type:	Polygon
ARC/INFO Precision:	Double
ARC/INFO Tolerances:	5 meters
Frequency of Updates:	Varies
Data Updated:	January 1999, Feb 2001 (lookup table added), June 2001 (Some name revisions), July 2003 (KCAG and MCTC added as MPO and added Label Field) , added updated LUT
Update Media:	
Update Method:	
Update Software:	

DATA DICTIONARY:

File name: MPO_DOT.PAT
Record length: 20

NOTE: Items common to all polygon coverages: AREA, PERIMETER, <coverage>#, and <coverage>-ID are not described here.

1.4.1.7.1 POLYGON attribute fields:

ITEM NAME	WIDTH	OUTPUT	TYPE	N.DEC
NAME	60	60	C	-
LABEL	8	8	C	-

1.4.1.7.2 ITEM DESCRIPTIONS:

NAME: Name of agency

LABEL: Map Label

DATABASE RELATION: MPO_DOT.LUT

MPO_DOT.LUT is a lookup table that contains the agency name abbreviation and the agency full name, as well as the MPO reference to the specific agencies. Also, the urban area, airbasin, abbreviation, and FIPS code are included.

DATA QUALITY ASSESSMENT:

1.4.1.8 RTPA

LEGEND THEME NAME	SHAPEFILE	METADATA NAME
RTPA	rtpa_dot	rtpa_dot

COVERAGE NAME: RTPA_DOT

COVERAGE AREA: State

RELATED TABLE: rtpa_dot.lut

COVERAGE DESCRIPTION:

The RTPA_DOT coverage is a polygon coverage representing the Regional Transportation Planning Association (RTPA) legislative boundaries as indicated in the California Transportation Agencies Listing, Division of Transportation Planning, Office of Regional and Interagency Planning.

The boundary definitions are primarily based on county lines.

USER NOTES:

Multi-county agencies, e.g. Sacramento Area Council of Governments (SACOG) are represented by a single polygon.

VITAL STATISTICS:

Datum:	NAD 83
Projection:	Albers
Units:	Meters
1st Std. Parallel:	34 degrees N
2nd Std. Parallel:	40.5 degrees N
Longitude of Origin:	-120 degrees W
Latitude of Origin:	0 degrees N
False Easting:	0
False Northing:	-4,000,000
Source:	Caltrans HQ Transportation Planning
Source Media:	
Source Projection:	
Source Units:	
Source Scale:	
Capture Method:	Existing DLG linework
Conversion Software:	
Data Structure:	Vector
ARC/INFO Coverage Type:	Polygon
ARC/INFO Precision:	Single
ARC/INFO Tolerances:	5 meters
Frequency of Updates:	Varies
Data Updated:	January 1999, July 2003 (Updated Name Field and added Label Field), added LUT
Update Media:	
Update Method:	
Update Software:	

DATA DICTIONARY:

File name: RTPA_DOT.PAT
Record length: 48

NOTE: Items common to all polygon coverages: AREA, PERIMETER, <coverage>#, and <coverage>-ID are not described here.

1.4.1.8.1 POLYGON attribute fields:

ITEM NAME	WIDTH	OUTPUT	TYPE	N.DEC
NAME	60	60	C	-
LABEL	41	41	C	-

1.4.1.8.2 ITEM DESCRIPTIONS:

NAME: Name of agency
LABEL: Map Label

RELATIONAL DATA DESCRIPTION:

RTPA_DOT.LUT is a lookup table that contains the agency name abbreviation and the agency full name, as well as the MPO reference to the specific agencies. Also, the urban area, airbasin, abbreviation, and FIPS code are included.

1.4.1.9 California Senate Districts

LEGEND THEME NAME	SHAPEFILE	METADATA NAME
CA Senate Districts	senate	senat00

COVERAGE NAME: SENAT00

COVERAGE AREA: STATE

COVERAGE DESCRIPTION:

The 'SENAT00' layer represents the 2002 Senate district boundaries as created by the State Supreme Court. District lines were created from 2000 census tract lines which are based on US Census Bureau TIGER/Line files. Where Senate district lines coincide with county boundaries or state highways linework from the Caltrans library cnty_bnd or st_hwy coverage has been included. This ARC/INFO coverage originated from Atlas GIS interchange files supplied by the Supreme Court. This ARC/INFO coverage was originated from Atlas GIS interchange files supplied by the Supreme Court.

VITAL STATISTICS:

Datum:	NAD 83
Projection:	Albers
Units:	Meters
1st Std. Parallel:	34 00 00 (34.0 degrees N)
2nd Std. Parallel:	40 30 00 (40.5 degrees N)
Longitude of Origin:	-120 00 00 (120.0 degrees W)

Latitude of Origin:	00 00 00 (0.0 degrees)
False Easting (X shift):	0
False Northing (Y shift):	-4,000,000
Source:	California State Supreme Court digital files
Source Units:	Decimal degrees
Source Scale:	1:100,000
Capture Method:	Converted to ARC/INFO from Atlas GIS interchange files
Conversion Software:	ARC/Info Rev 5.0
Data Structure:	Vector
ARC/INFO Coverage Type:	Polygon
ARC/INFO Precision:	Single
ARC/INFO Tolerances:	.1 meter fuzzy / 5 meter dangle
Number of Features:	48
Layer Size:	3.1 MB
Data Updated:	December 2000 - Replacement of coincident county lines December 2000 - Membership updated January 2001 – Replacement of coincident state highway lines January 2003 - Membership updated

DATA DICTIONARY:

DATAFILE NAME: SENAT00.PAT
RECORD LENGTH: 46

1.4.1.9.1 POLYGON attribute fields:

COLUMN	ITEM NAME	WIDTH	OUTPUT	TYPE	N.DEC
17	DISTRICT	3	3	I	-
20	MEMBER	25	25	C	-
45	PARTY	1	1	C	-

NOTE: Items common to all POLYGON coverages: FID, SHAPE are not described here.

1.4.1.9.2 ITEM DESCRIPTIONS:

DISTRICT:	District number
MEMBER:	Senate member's name
PARTY:	Member's political party affiliation

DATA QUALITY ASSESSMENT:

The following are subjective comments regarding this data.

Feature completeness is excellent. Feature accuracy is fair. Since the lines are based on TIGER Linework, it ranges in accuracy from very good (DLG areas) to very poor (GBF/DIME areas). Attribute completeness and accuracy is excellent for the attributes DISTRICT, MEMBER and PARTY.

1.4.1.10 Non-MPO Counties

LEGEND THEME NAME	SHAPEFILE	METADATA NAME

Non-MPO Counties	nonmpo	nonmpo

COVERAGE NAME: nonmpo

COVERAGE AREA: Statewide

COVERAGE DESCRIPTION:

The MPO_DOT coverage is polygon coverage representing the counties that are not covered by the Metropolitan Planning Organization (MPO) legislative boundaries as indicated in the California Transportation Agencies Listing, Division of Transportation Planning, Office of Regional and Interagency Planning.

The boundary definitions are based on county lines.

VITAL STATISTICS:

Datum:	NAD 83
Projection:	Albers
Units:	Meters
1st Std. Parallel:	34 degrees N
2nd Std. Parallel:	40.5 degrees N
Longitude of Origin:	-120 degrees W
Latitude of Origin:	0 degrees N
False Easting:	0
False Northing:	-4,000,000
Source:	Caltrans HQ Transportation Planning
Source Media:	
Source Projection:	
Source Units:	
Source Scale:	
Capture Method:	Existing DLG linework
Conversion Software:	
Data Structure:	Vector
ARC/INFO Coverage Type:	Polygon
ARC/INFO Precision:	Double
ARC/INFO Tolerances:	5 meters
Frequency of Updates:	Varies
Data Updated:	June 2005
Update Media:	
Update Method:	
Update Software:	

DATA DICTIONARY:

File name: nonmpo.PAT
Record length: 67

NOTE: Items common to all polygon coverages: AREA, PERIMETER, <coverage>#, and <coverage>-ID are not described here.

1.4.1.10.1 POLYGON attribute fields:

ITEM NAME	WIDTH	OUTPUT	TYPE	N.DEC
CO	3	3	C	-
NAME	20	20	C	-

DIST	2	2	C	-

1.4.1.10.2 ITEM DESCRIPTIONS:

CO: 3-character abbreviation of county

NAME: Alpha Name of county

DIST: Caltrans District of county

1.5 Project Data

1.5.1.1 Airport Projects

LEGEND THEME NAME	SHAPEFILE	METADATA NAME
Airport Projects	airpoint	Airport Projects

LEGEND NAME: Airport Projects

SHAPEFILE NAME: airpoint

SHAPEFILE AREA: STATEWIDE

SHAPEFILE OVERVIEW: The 'AIRPOINT' theme represents all airport projects. Projects were placed using the XY coordinates of the airport to where the project refers from the Airport coverage in the Caltrans Spatial Library.

VITAL STATISTICS:

Datum: NAD 83
Projection: Albers
Units: Meters
1st Std. Parallel: 34 00 00 (34.0 degrees N)
2nd Std. Parallel: 40 30 00 (40.5 degrees N)
Longitude of Origin : -120 00 00 (120.0 degrees W)
Latitude of Origin: 00 00 00 (0.0 degrees)
False Easting (X shift): 0
False Northing (Y shift): -4,000,000
Source: Caltrans HQ Aeronautics
Source Media: Database files (pubuse.aps and specuse.aps)
Source Projection: Latitude/Longitude (Geographic)
Source Units: Degrees, Minutes, Seconds
Source Scale:
Capture Method: Generated from Latitude/Longitude Coordinates
Conversion Software: ARC/Info Rev 6.1.1
Data Structure: Vector
ARC/INFO Coverage Type: Point
ARC/INFO Precision: Double
ARC/INFO Tolerances:
Frequency of Updates: To Be Determined
Data Updated: June 2004
Update Media:
Update Method:
Update Software:

1.5.1.1.1 POINT Attribute Fields:

Bold item names represent those fields that are displayed in the theme table. NOTE: Item names may differ from the Table headings (aliases).

ITEM NAME	WIDTH	OUTPUT	TYPE
Shape	0	0	I
Dist	4	4	I
Co	3	3	C
Airport_ID	4	4	C
Airport_Na	53	53	C
Proj_desc	50	50	C
Const_year	9	9	I
State_fund	6	6	C
Fed_funds	5	5	C
Local_fund	6	6	C
Total_cost	9	9	I
Document	11	11	C
DocYear	4	4	I
RTPA_Name	60	60	C
RTPA_Code	41	41	C
MPOName	60	60	C
MPO_Code	8	8	C

1.5.1.1.2 ITEM DESCRIPTIONS:

Shape: Non-topological format for storing the geometric location and attribute information of geographic features.
Dist: Caltrans District in which the project is located.
Co: Two or three character code (using Caltrans GIS standard abbreviation) for the county. Example: SAC = Sacramento County.
Airport_ID: FAA Airport identifier
Airport_Na: Name of Airport
Proj_desc: Description of the project.
Const_year: Year the project is expected to be awarded for construction.
State_Fund: Funding for project provided by the State.
Fed_funds: Funding for project provided by the State.
Local_fund: Funding for project provided by Local Agency.
Total_cost: Total project cost from all fund sources. Values are in thousands (Example: 15000 = $15,000,000)
Document: Source document used to plan/program the project
DocYear: Year the source document was approved
RTPA_Name: Regional Transportation Planning Agency name.
RTPA_Code: Regional Transportation Planning Agency numeric code.
MPOName: Metropolitan Planning Organization name.
MPO_Code: Metropolitan Planning Organiazation numeric code.

1.5.1.2 Charted Planned Projects

LEGEND THEME NAME	SHAPEFILE	METADATA NAME
Charted Planned Projects	pl_charted	Charted Planned Projects

LEGEND NAME: Charted Planned Projects

SHAPEFILE NAME: pl_charted

SHAPEFILE AREA: STATEWIDE

SHAPEFILE OVERVIEW: This shapefile illustrates the planned charted projects from the planned project database.

VITAL STATISTICS:

Source:	Transportation Planning Planned Project Database
Source Media:	Access Tabular Data
Source Units:	meters
Source Scale:	1:100,000
Capture Method:	Each project is located using the appropriate county seat X and Y coordinates derived from the county seat location in the Places coverage. The Places coverage was derived from the USGS Geographical Names Information System (GNIS).
Conversion Software:	ArcMap v. 8.3
Data Structure:	Vector
ARC/INFO Coverage Type:	Point
ARC/INFO Precision:	Double
ARC/INFO Tolerances:	10-meter fuzzy/0.00 meter dangle
Number of Features:	1315
Data Updated:	June 2004

1.5.1.2.1 LINE Attribute Fields:

Bold item names represent those fields that are displayed in the theme table. NOTE: Item names are not in the same order as table headings. Item names may differ from the Table headings (aliases).

ITEM NAME	WIDTH	OUTPUT	TYPE	N. DEC
Shape	0	0	G	-
Dist	4	4	I	-
Co	10	10	C	-
Title	77	77	C	-
Proj_des	235	235	C	-
Line_yr	9	9	I	-
Const_yr	9	9	C	-
Total_cost	19	19	I	-
Purpose	40	40	C	-
Purp_code	9	9	I	-
Air_Qua	9	9	C	-
Good_move	11	11	C	-
ITS	4	4	C	-
Doc	11	11	C	-
Doc_yr	4	4	I	-
Agency_nam	50	50	C	-
Agency_cod	11	11	C	-
RTPA	4	4	I	-
RTPA_name	49	49	C	-
Proj_type	30	30	C	-
MPO_ID	12	12	C	-
Ctisprojid	18	18	C	-
Map_code	11	11	C	-
Constraine	3	3	C	-
ObjectID	5	5	C	-
Code	5	5	C	-

1.5.1.2.2 ITEM DESCRIPTIONS:

Shape	Non-topological format for storing the geometric location and attribute information of geographic features
Dist	Caltrans District in which the project is located.
Co	Two or three character code (using Caltrans GIS standard abbreviation) for the county. Example: SAC = Sacramento County.
Title	Name of Project
Proj_des	Description of the project.
Line_yr	Year funds will be released for the project
Const_yr	Year construction on the project is scheduled to begin.
Total_cost	Total cost of Project
Purpose	The "spelled out" description of the numeric purpose codes
Purp_code	Project purpose codes.
Air_qua:	The "spelled out" description of the Air Quality Conformity codes
Goods_move:	The "spelled out" description of the goods movement codes.
Its:	The "spelled out" description of the Intelligent Trans. Systems codes
Doc	Source document used to plan/program the project
Doc_yr	Year the source document was approved.
Agencyname	The "spelled out" description of the sponsoring Agency.
Agency	The Numeric code for the sponsoring Agency.
RTPA	The Numeric code for the sponsoring RTPA.
RTPA_name	The "spelled out" description of the sponsoring RTPA.
Proj_type	The "spelled out" description of the Project Type.
MPO_ID	The sponsoring Metropolitan Planning Organization's Project Indentifier
Ctisprojid	Unique identifier assigned within the PPDB
Map_code	Value denoting whether the project as entered into the PPDB has the location described.
Constraine	Denotes whether the project is financially constrained
ObjectID:	ESRI-generated unique identifier
Code:	The code for the Project Type

1.5.1.3 Charted Programmed Projects

LEGEND THEME NAME	SHAPEFILE	METADATA NAME
Charted Programmed Projects (Point)	pr_charted	Charted Programmed Projects

LEGEND NAME: Charted Programmed Projects

SHAPEFILE NAME: pr_charted

SHAPEFILE AREA: STATEWIDE

SHAPEFILE OVERVIEW: This shapefile illustrates the programmed charted projects from the Planned Project Database.

VITAL STATISTICS:

Source:	Transportation Planning Planned Project Database
Source Media:	Access Tabular Data
Source Units:	meters
Source Scale:	1:100,000
Capture Method:	Each project is located using the appropriate county seat X and Y coordinates derived from the county seat location in the Places coverage. The Places coverage was derived from the USGS Geographical Names Information System (GNIS).
Conversion Software:	ArcMap v. 8.3
Data Structure:	Vector
ARC/INFO Coverage Type:	Point
ARC/INFO Precision:	Double
ARC/INFO Tolerances:	10-meter fuzzy/0.00 meter dangle
Number of Features:	2619

1.5.1.3.1 LINE Attribute Fields:

Bold item names represent those fields that are displayed in the theme table. NOTE: Item names are not in the same order as table headings. Item names may differ from the Table headings (aliases).

ITEM NAME	WIDTH	OUTPUT	TYPE	N. DEC
Shape	0	0	G	-
Dist	9	9	I	-
Co	254	254	C	-
Rte	254	254	C	-
Postmile	254	254	C	-
Title	254	254	C	-
Proj_des	254	254	C	-
Line_yr	9	9	I	-
Paed	9	9	I	-
Pse	9	9	I	-
Pe	9	9	I	-
Rw_sup	9	9	I	-
Con_sup	9	9	I	-
Rw	9	9	I	-
St_prg_con	19	19	I	-
Con	9	9	I	-
Total_cost	9	9	I	-
EA	254	254	C	-
Ppno	9	9	I	-
Doc	8	8	C	-
Doc_yr	50	50	I	-
Agency_name	70	70	C	-
Agency	9	9	I	-
Rtpa	41	41	C	-
Rtpa_name	60	60	C	-
Mponame	60	60	C	-
Mpo	8	8	C	-
Proj_type	40	40	C	-
Ctips_id	19	19	I	-

1.5.1.3.2 ITEM DESCRIPTIONS:

Shape	Non-topological format for storing the geometric location and attribute information of geographic features
Dist	Caltrans District in which the project is located.
Co	Two or three character code (using Caltrans GIS standard abbreviation) for the county. Example: SAC = Sacramento County.
Rte	Specifies the route number as designated by the state. If two or more routes occupy the same roadway, legislative highway number is coded.
Postmile	Post Mile segment used by Caltrans on the State Highway System.
Title	Name of Project
Proj_des	Description of the Project.
Line_yr	Year funds will be released for the project.
Paed	Environmental funding for project. Values are in thousands (Example: 15000 = $15,000,000)
Pse	Specification and estimate funding for project. Values are in thousands (Example: 15000 = $15,000,000)
Pe	Preliminary construction funding for project. Values are in thousands (Example: 15000 = $15,000,000)
Rw_sup	Sum of all funding sources for Right of Way Support

Con_sup	Sum of all funding sources for Construction Support
Rw	Sum of all funding sources for Right of Way
St_prg_con	Sum of all funding sources from programming
Con	Sum of all funding sources for Construction
Total_cost	Total cost of Project
EA	Expenditure Authorization
Ppno	CalTrans Planning and Programming Number
Doc	Source document used to plan the project.
Doc_yr	Year the source document was approved.
Agency_name	The "spelled out" description of the sponsoring Agency.
Agency	The Numeric code for the sponsoring Agency.
Rtpa	The Numeric code for the sponsoring RTPA
Rtpa_name	The "spelled out" description of the sponsoring RTPA
Mpo_name	The "spelled out" description of the sponsoring Metropolitan Planning Organization
Mpo	The alphanumeric code for the sponsoring Metropolitan Planning Organization
Proj_type	The "spelled out" description of the Project Type
Ctips_id	Unique identifier assigned within the CTIPS database

1.5.1.4 Local Planned Projects

LEGEND THEME NAME	SHAPEFILE	METADATA NAME
Local Planned Projects	Local_pl	Local Planned

LEGEND NAME: Local Planned

SHAPEFILE NAME: Local_pl

SHAPEFILE AREA: STATEWIDE

SHAPEFILE OVERVIEW: The 'LOCAL' polyline theme represents sited local projects. Projects were placed referencing GDT mapping and project location information (data fields: Fromloc, Along, and To_ for Planned Projects). This information was used in conjunction with existing coverages from the Caltrans Spatial Library to manually generate a polyline coverage. When descriptive information was inadequate, or when the project was entered into the planned project database as 'unmapped,' the projects were moved to the Charted data set.

VITAL STATISTICS:

Source:	Transportation Planning Planned Project Database
Source Media:	Access tabular data
Source Units:	meters
Source Scale:	1:100,000
Capture Method:	Digitized into coverages
Conversion Software:	ArcMap v. 8.3
Data Structure:	Vector
ARC/INFO Coverage Type:	Line
ARC/INFO Precision:	Double
ARC/INFO Tolerances:	10-meter fuzzy/0.00 meter dangle
Number of Features:	1896
Data Updated:	June 2004

1.5.1.4.1 LINE attribute fields:

Bold item names represent those fields that are displayed in the theme table. NOTE: Item names are not in the same order as table headings. Item names may differ from the Table headings (aliases).

ITEM NAME	WIDTH	OUTPUT	TYPE	N.DEC
Shape	0	0	G	-
Dist	9	9	I	-
Co	7	7	C	-
Fromloc	50	50	C	-
Along	50	50	C	-
To_	50	50	C	-
Title	100	100	C	-
Proj_des	254	254	C	-
Line_yr	4	4	C	-
Const_yr	4	4	C	-
Total_cost	9	9	I	-
Purpose	100	100	C	-
Purp_code	5	5	C	-
Cur_fac	5	5	C	-
Cur_fac_de	50	50	C	-
Res_accont	5	5	C	-
Cur_numlan	2	2	C	-
Res_numlan	2	2	C	-
Air_qua	9	9	C	-
Air_qua1	10	10	C	-
Goods_move	14	14	C	-
Goods_mo1	14	14	C	-
Its	3	3	C	-
Its1	5	5	C	-
Doc	5	5	C	-
Doc_yr	4	4	I	-
Mpo_id	50	50	C	-
Agencyname	254	254	C	-
Agency	10	10	C	-
Rtpa	5	5	I	-
Rtpa_name	60	60	C	-
Code	5	5	C	-
Proj_type	50	50	C	-
Map_code	3	3	C	-
MPO_ID	12	12	C	-
Ctisprojid	50	50	C	-
Constraine	13	13	C	-

1.5.1.4.2 ITEM DESCRIPTIONS:

Shape:	Non-topological format for storing the geometric location and attribute information of geographic features
Dist:	Caltrans District in which the project is located.
Co:	Two or three character code (using Caltrans GIS standard abbreviation) for the county. Example: SAC = Sacramento County.
Fromloc:	Cross street or feature where project begins.
Along:	Roadway or other feature along which the project will occur.
To_:	Cross street or feature where project End.
Title:	Name of Project
Proj_des:	Description of the project.
Line_yr_:	Year funds will be released for the project

Const_yr:	Year construction on the project is scheduled to begin.
Total_cost:	Total cost of Project
Purpose:	The "spelled out" description of the numeric purpose codes
Purp_code:	Project purpose codes.
Cur_fac:	Current facility type code:
Cur_fac_de:	The "spelled out" description of the Current Facility codes
Res_accont:	Resulting access control on the facility.
Cur_numlan:	Current total number of lanes in both directions on the facility.
Res_numlan:	Resulting total number of lanes in both directions on the facility.
Air_qua:	Denotes Air Quality Conformity of the Project.
Air_qua1:	The "spelled out" description of the Air Quality Conformity codes
Goods_move:	Indicates whether project will directly benefit goods movement.
Goods_mo_1:	The "spelled out" description of the goods movement codes.
Its:	Indicates whether the project is an ITS (Intelligent Trans. Systems) Project.
Its1:	The "spelled out" description of the Intelligent Trans. Systems codes
Doc:	Source document used to plan/program the project.
Doc_yr:	Year the source document was approved.
Mpo_id:	The sponsoring Metropolitan Planning Organization's Project Indentifier
Agencyname:	The "spelled out" description of the sponsoring Agency
Agency:	The Numeric code for the sponsoring Agency
Rtpa:	The Numeric code for the sponsoring RTPA
Rtpa_name:	The "spelled out" description of the sponsoring RTPA
Code:	The code for the Project Type
Proj_type:	The "spelled out" description of the Project Type
Map_code:	Value denoting whether the project as entered into the PPDB has the location described
MPO_ID	The sponsoring Metropolitan Planning Organization's Project Indentifier
Ctisprojid:	Unique identifier assigned within the PPDB
Constraine	Denotes whether the project is financially constrained.

1.5.1.5 Local Programmed Projects

LEGEND THEME NAME	SHAPEFILE	METADATA NAME
Local Programmed Projects	Local_pr	Local Programmed

LEGEND NAME: Local Programmed

SHAPEFILE NAME: Local_pr

SHAPEFILE AREA: STATEWIDE

SHAPEFILE OVERVIEW: The 'LOCAL' multi-point theme represents sited local projects. Projects were placed referencing GDT mapping and project location information (the project description from the Programmed project database). This information was used in conjunction with existing coverages from the Caltrans Spatial Library to manually generate a polyline coverage. When descriptive information was inadequate, the projects were moved to the Charted data set.

VITAL STATISTICS:

Source:	Transportation Planning excel data files
Source Media:	Digital excel files
Source Units:	meters
Source Scale:	1:100,000
Capture Method:	Digitized into coverages
Conversion Software:	ArcMap 8.3
Data Structure:	Vector
ARC/INFO Coverage Type:	Linear

ARC/INFO Precision:	Double
ARC/INFO Tolerances:	10-meter fuzzy/0.00 meter dangle
Number of Features:	824
Data Updated:	October 2004

1.5.1.5.1 LINE attribute fields:

Bold item names represent those fields that are displayed in the theme table. NOTE: Item names are not in the same order as table headings. Item names may differ from the Table headings (aliases).

ITEM NAME	WIDTH	OUTPUT	TYPE	N.DEC
Shape	0	0	G	-
Dist	4	4	I	-
Co	7	7	C	-
Rte	254	254	C	-
Postmile	254	254	C	-
Title	254	2540	C	-
Proj_des	254	254	C	-
Line_yr	4	4	C	-
Paed	4	4	I	-
Pse	4	4	I	-
Pe	254	254	I	-
Rw_sup	4	4	I	-
Con_sup	4	4	I	-
Rw	4	4	I	-
St_prg_con	50	50	I	-
Con	4	4	I	-
Total_cost	9	9	I	-
EA	254	254	C	-
Ppno	254	254	C	-
Doc	50	50	C	-
Doc_yr	4	4	I	-
Agencyname	254	254	C	-
Agency	4	4	I	-
Rtpa	41	41	I	-
Rtpa_name	60	60	C	-
Mpo_name	60	60	C	-
MPO	19	19	I	-
Proj_type	50	50	C	-
Ctips_id	19	19	I	-

1.5.1.5.2 ITEM DESCRIPTIONS:

Shape:	Non-topological format for storing the geometric location and attribute information of geographic features
Dist:	Caltrans District in which the project is located.
Co:	Two or three character code (using Caltrans GIS standard abbreviation) for the county. Example: SAC = Sacramento County.
Rte:	Specifies the route number as designated by the state. If two or more routes occupy the same roadway, legislative highway number is coded.
Postmile:	Post Mile segment used by Caltrans on the State Highway System.
Title:	Name of Project
Project_des:	Description of the project.
Line_yr_:	Year funds will be released for the project

Paed:	Environmental funding for project. Values are in thousands (Example: 15000 = $15,000,000)
Pse:	Specification and estimate funding for project. Values are in thousands (Example: 15000 = $15,000,000)
Pe:	Preliminary construction funding for project. Values are in thousands (Example: 15000 = $15,000,000)
Rw_sup:	Sum of all funding sources for Right of Way Support
Con_sup:	Sum of all funding sources for Construction Support
Rw:	Sum of all funding sources for Right of Way
St_prg_con:	Sum of all funding sources from programming
Con:	Sum of all funding sources for Construction
Total_cost:	Total cost of Project
EA:	Expenditure Authorization
Ppno :	CalTrans Planning and Programming Number
Doc:	Source document used to plan the project.
Doc_yr:	Year the source document was approved.
Agencyname:	The "spelled out" description of the sponsoring Agency.
Agency:	The Numeric code for the sponsoring Agency.
Rtpa:	The Numeric code for the sponsoring RTPA
Rtpa_name:	The "spelled out" description of the sponsoring RTPA
Mpo_name:	The "spelled out" description of the sponsoring Metropolitan Planning Organization
Mpo	The Numeric code for the sponsoring Metropolitan Planning Organization
Proj_type:	The "spelled out" description of the Project Type
Ctips_id:	Unique identifier assigned within the CTIPS database

1.5.1.6 Highway Planned Projects

LEGEND THEME NAME	SHAPEFILE	METADATA NAME
Highway Planned Projects	ctis_h_pl	Highway Planned Projects

LEGEND NAME: Highway Planned Projects

SHAPEFILE NAME: ctis_h_pl

SHAPEFILE AREA: STATEWIDE

SHAPEFILE OVERVIEW: This shapefile illustrates the planned linear projects on the State Highway System.

VITAL STATISTICS:

Source:	Transportation Planning Planned Project Database
Source Media:	Access Tabular Data
Source Units:	meters
Source Scale:	1:100,000
Capture Method:	Postmile process
Conversion Software:	ArcMap v. 9.0
Data Structure:	Vector
ARC/INFO Coverage Type:	Linear
ARC/INFO Precision:	Double
ARC/INFO Tolerances:	10-meter fuzzy/0.00 meter dangle
Number of Features:	853
Data Updated:	October 2004

SHAPEFILE DEVELOPMENT PROCESS: The coverage creation was based on the postmile process for arcs at the county level. Each county project coverage was converted to a shapefile. The 58 shapefiles (individual county) were merged together to create the single statewide shapefile using the geoprocessor in Arcview.

1.5.1.6.1 LINE Attribute Fields:

Bold item names represent those fields that are displayed in the theme table. NOTE: Item names are not in the same order as table headings. Item names may differ from the Table headings (aliases).

ITEM NAME	WIDTH	OUTPUT	TYPE	N. DEC
ObjectID	4	4	OID	-
Shape	0	0	G	
Dist	4	4	I	
Co	7	7	C	
Rte	5	5	I	
Pm1b	10	10	C	
Pm1a	10	10	C	
Postmile	20	20	C	
Title	100	100	C	
Proj_des	254	254	C	
Line_yr	4	4	I	
Const_yr	4	4	C	
Total_cost	9	9	I	
Purpose	100	100	C	
Purpcode	5	5	I	
Cur_Fac	5	5	C	
Cur_Fac_de	50	50	C	
Res_accont	5	5	I	
Res_accon_	50	50	I	
Cur_numlan	2	2	I	
Res_numlan	4	4	I	
Air_Qua	3	3	C	
Air_Qua1	8	8	C	
Goods_move	2	2	C	
Goods_mo_1	8	8	C	
ITS	2	2	C	
ITS1	8	8	C	
Doc	5	5	C	
Doc_yr	4	4	I	
Agency	10	10	C	
Agencyname	254	254	C	
Rtpa	4	4	I	
Rtpa_name	60	60	C	
Code	50	50	C	
Proj_type	100	100	C	
Map_code	3	3	C	
City	10	10	C	
MPO_ID	50	50	C	
Ctisprojid	17	17	I	
Constraine	13	13	C	-
ObjectID	5	5	C	-
Shape_leng				

1.5.1.6.2 ITEM DESCRIPTIONS:

Shape: Non-topological format for storing the geometric location and attribute information of geographic features.
Dist: Caltrans District where the project is located.
Co: Two or three character code (using Caltrans standard abbreviation) for the county. Example: SAC = Sacramento County.

Rte:	Specifies the route number as designated by the state. If two or more routes occupy the same roadway, legislative highway number is coded.
Pm1b:	Beginning Post Mile. Post Mile segment used by Caltrans on the State Highway System. The start of the project is the lower post mile.
Pm1a:	Ending Post Mile. Post Mile segment used by Caltrans on the State Highway System. The end of the project is the highest post mile.
Postmile:	The combination of the beginning and ending Postmiles. This is needed to run the Caltrans postmile process.
Title:	The name of the project.
Proj_des:	Description of the project.
Line_yr:	Year the funding is expected to be awarded for expenditures.
Const_yr:	Year the construction is to begin.
Total_cost:	Total project cost from all fund sources. Values are in thousands. (Example: 15000 = $15,000,000)
Purpose:	The "spelled out" description of the numeric purpose codes
Purpcode:	Project purpose codes: 10 = Gap Closure 15 = Gap Closure – Rail 20 = Add Capacity 25 = Add Capacity – Rail 30 = Operational Improvements 35 = Operational Improvements – Rail 40 = HOV Lanes 50 = Auxiliary Lanes 55 = Siding - Rail 60 = Facility Upgrade with Added Capacity 65 = Facility Upgrade with Added Capacity - Rail 70 = Facility Upgrade without Added Capacity 75 = Facility Upgrade without Added Capacity - Rail 80 = Interchange and Over/Undercrossings 85 = Grade Separations - Rail 90 = Bypass 100 = New Facility 105 = New Facility - Rail 110 = Other 115 = Other - Rail 106 = Safety 108 = Preservation 116 = Community Design
Cur_Fac:	Current facility type code: 2 = two lanes (one each direction) 4 = four lanes (two each direction) 6 = six lanes 8 = eight lanes (Blank if none of the above.)
Cur_Fac_de:	The "spelled out" description of the Current Facility codes
Res_accont	Resulting access control on the facility. F = Freeway E = Expressway C = Conventional
Res_accon_:	The "spelled out" description of the Resulting access control codes
Cur_numlan:	Current total number of lanes in both directions on the facility.
Res_numlan:	Resulting total number of lanes in both directions on the facility.
Air_Qua:	Denotes Air Quality Conformity of the Project. NULL = No Information Available 1 = Meets AQC 2 = Does not meet AQC
Air_Qua1:	The "spelled out" description of the Air Quality Conformity codes
Goods_move:	Indicates whether project will directly benefit goods movement. NULL = No Information Available. 1 = Project will directly benefit goods movement.

	2 = Project does not directly benefit goods movement.
Goods_move1:	The "spelled out" description of the goods movement codes.
ITS:	Indicates whether the project is an ITS (Intelligent Trans. Systems) Project. NULL = No Information Available. 1 = Project is an ITS (Intelligent Trans. Systems) Project. 2 = Project is not an ITS (Intelligent Trans. Systems) Project.
ITS1:	The "spelled out" description of the Intelligent Trans. Systems codes.
Doc:	Source document used to plan/program the project.
Doc_yr:	Year the source document was approved.
Agency:	The Numeric code for the sponsoring Agency.
Agencyname:	The "spelled out" description of the sponsoring Agency.
Rtpa:	The Numeric code for the sponsoring RTPA.
Rtpa_name:	The "spelled out" description of the sponsoring RTPA.
Code:	The code for the Project Type.
Proj_type:	The "spelled out" description of the Project Type.
Map_code:	Value denoting whether the project as entered into the PPDB has the location described.
City:	The City within which the Project is located
MPO_ID:	The sponsoring Metropolitan Planning Organization's Project Indentifier
Ctisprojid:	Unique identifier assigned within the PPDB
Constraine:	Denotes whether the project is constrained or unconstrained.
ObjectID:	ESRI-generated unique identifier
Shape_leng:	Length of the linear shape element in meters

1.5.1.7 Highway Programmed Projects (linear)

LEGEND THEME NAME	SHAPEFILE	METADATA NAME
Highway Programmed	ctis_h_pr	Highway Programmed Projects (linear)

LEGEND NAME: Highway Programmed Projects (linear)

SHAPEFILE NAME: ctis_h_pr

SHAPEFILE AREA: STATEWIDE

SHAPEFILE OVERVIEW: This shapefile illustrates the programmed projects on the State Highway System.

VITAL STATISTICS:

Source:	Excel data files extracted form the CTIPS database
Source Media:	Digital excel files
Source Units:	meters
Source Scale:	1:100,000
Capture Method:	Postmile process
Conversion Software:	ArcMap v. 8.3
Data Structure:	Vector
ARC/INFO Coverage Type:	Linear
ARC/INFO Precision:	Double
ARC/INFO Tolerances:	10-meter fuzzy/0.00 meter dangle
Number of Features:	2058
Data Updated:	October 2004

SHAPEFILE DEVELOPMENT PROCESS: The coverage creation was based on the postmile process for arcs at the county level. Each county project coverage was converted to a shapefile. The 58 shapefiles (individual county) were merged together to create the single statewide shapefile using the geoprocessor in Arcview.

1.5.1.7.1 LINE attribute fields:

Bold item names represent those fields that are displayed in the theme table. NOTE: Item names are not in the same order as table headings. Item names may differ from the Table headings (aliases).

ITEM NAME	WIDTH	OUTPUT	TYPE	N.DEC
Shape	0	0	G	-
Dist	9	9	I	-
Co	10	10	C	-
Rte	4	4	I	-
Postmile	13	13	C	-
Title	47	47	C	-
Proj_des	154	154	C	-
Line_yr_	9	9	I	-
Paed	9	9	I	-
Pse	9	9	I	-
Rw_sup	9	9	I	-
Con_sup	19	19	I	-
Rw	9	9	I	-
Con	9	9	I	-
Total_cost	9	9	I	-
EA	12	12	C	-
Ppno	7	7	C	-
Doc	8	8	C	-
Doc_yr	19	19	I	-
Agency	4	4	I	-
Agency_nam	254	254	C	-
Rtpa	60	60	I	-
Rtpa_name	41	41	C	-
Mpo	60	60	C	-
Mpo_name	8	8	C	-
Proj_type	20	20	C	-
Ctips_id	19	19	I	-
Object_ID	5	5	C	-

1.5.1.7.2 ITEM DESCRIPTIONS:

Shape	Non-topological format for storing the geometric location and attribute information of geographic features.
Dist	Caltrans District where the project is located.
Co	Two or three character code (using Caltrans std abbreviation) for the county. Example: SAC = Sacramento County.
Rte	Specifies the route number as designated by the state. If two or more routes occupy the same roadway, legislative highway number is coded.
Postmile	The combination of the beginning and ending Postmiles. This is needed to run the Caltrans postmile process.
Title	The name of the project.
Proj_des	Description of the project.
Line_yr_	Year the funding is expected to be awarded for expenditures.
Paed	Environmental funding for project. Values are in thousands (Example: 15000 = $15,000,000)
Pse	Specification and estimate funding for project. Values are in thousands (Example: 15000 = $15,000,000)
Rw_sup	Sum of all funding sources for Right of Way Support
Con_sup	Sum of all funding sources for Construction Support
Rw	Sum of all funding sources for Right of Way

Con	Sum of all funding sources for Construction Support
Total_cost	Total cost of Project
EA	Expenditure Authorization
Ppno	CalTrans Planning and Programming Number
Doc	Source document used to plan the project.
Doc_yr	Year the source document was approved.
Agency	The Numeric code for the sponsoring Agency.
Agency_nam	The "spelled out" description of the sponsoring Agency.
Rtpa	The Numeric code for the sponsoring RTPA
Rtpa_name	The "spelled out" description of the sponsoring RTPA
Mpo	The alphanumeric code for the sponsoring MPO.
Mpo_name	The "spelled out" description of the sponsoring MPO
Proj_type	The "spelled out" description of the Project Type
Ctips_id	Unique identifier assigned within the CTIPS database
ObjectID:	ESRI-generated unique identifier

1.5.1.8 Planned Bike, Ped and Transit

LEGEND THEME NAME	SHAPEFILE	METADATA NAME
Planned Bike, Ped and Transit	Pl_bpt	Planned Bike, Ped and Transit

LEGEND NAME: Planned Bike, Ped and Transit

SHAPEFILE NAME: pl_bpt

SHAPEFILE SHAPEFILE AREA: STATEWIDE

SHAPEFILE OVERVIEW: The 'PL_BPT' multi-point theme represents the Planned Bicycle, Pedestrian, Maintenance Station, Reserve Funds and Planning/Programming Monitor projects. Each project is located using the appropriate county seat X and Y coordinates derived from the county seat location in the Places coverage. The Places coverage was derived from the USGS Geographical Names Information System (GNIS).

VITAL STATISTICS:

Source:	PPDB
Source Media:	Access Database
Source Units:	meters
Source Scale:	1:100,000
Capture Method:	Component features taken from source data and assembled into coverages
Conversion Software:	ArcMap v 8.3
Data Structure:	Vector
ARC/INFO Coverage Type:	Point
ARC/INFO Precision:	Double
ARC/INFO Tolerances:	10-meter fuzzy/0.00 meter dangle
Number of Features:	993
Data Updated:	July 2004

1.5.1.8.1 LINE attribute fields:

Bold item names represent those fields that are displayed in the theme table. NOTE: Item names are not in the same order as table headings. Item names may differ from the Table headings (aliases).

ITEM NAME	WIDTH	OUTPUT	TYPE	N.DEC
Shape	5	5	G	-
Dist	9	9	I	-
Co	254	254	C	-

FromLoc	254	254	C	-
Along	254	254	C	-
To_	254	254	C	-
Title	254	254	C	-
Proj_desc	254	254	C	-
Line_yr_	9	9	I	-
Const_yr	50	50	C	-
Total_cost	9	9	I	-
Purpose	254	254	C	-
Purp_code	9	9	I	-
Res_accont	254	254	C	-
Res_accon_	50	50	C	-
Air_qua	2	2	C	-
Air_qua1	8	8	C	-
Goods_move	2	2	C	-
Good_move1	8	8	C	-
Its	2	2	C	-
Its1	8	8	C	-
Doc	50	50	C	-
Doc_yr	50	50	C	-
Agency_name	50	50	C	-
Agency	50	50	C	-
Rtpa	50	50	I	-
Rtpa_name	50	50	C	-
Code	254	254	C	-
Proj_type	50	50	C	-
Mpo_ID	50	50	C	-
Ctisprojid	50	50	C	-
Constraine	13	13	C	-
ObjectID	5	5	C	-

1.5.1.8.2 ITEM DESCRIPTIONS:

Shape	Non-topological format for storing the geometric location and attribute information of geographic features
Dist	Caltrans District in which the project is located.
Co	Two or three character code (using Caltrans GIS standard abbreviation) for the county. Example: SAC = Sacramento County.
FromLoc	Cross street or feature where project begins.
Along	Roadway or other feature along which the project will occur.
To_	Cross street or feature where project ends.
Title	Name of Project
Proj_desc	Description of the project.
Line_yr_	Year funds will be released for the project
Const_yr	Year construction on the project is scheduled to begin.
Total_cost	Total cost of Project
Purpose	The “spelled out” description of the numeric purpose codes
Purp_code	Project purpose codes.
Res_accont	Resulting access control on the facility.
Res_accon_	The “spelled out” description of the access control codes
Air_qua	
Air_qua1	The “spelled out” description of the Air Quality Conformity codes
Goods_move	Indicates whether project will directly benefit goods movement.
Goodsmove1	The “spelled out” description of the goods movement codes.
Its	Indicates whether the project is an ITS (Intelligent Trans. Systems) Project.
Its1	The “spelled out” description of the Intelligent Trans. Systems codes
Doc	Source document used to plan/program the project.

Doc_yr	Year the source document was approved.
Agency_name	The "spelled out" description of the sponsoring Agency
Agency	The Numeric code for the sponsoring Agency
Rtpa	The Numeric code for the sponsoring RTPA
Rtpa_name	The "spelled out" description of the sponsoring RTPA
Code	The code for the Project Type
Proj_type	The "spelled out" description of the Project Type
Mpo_id	The sponsoring Metropolitan Planning Organization's Project Indentifier
Ctisprojid	Unique identifier assigned within the PPDB
Constraine	Denotes whether the project is constrained or unconstrained.
ObjectID:	ESRI-generated unique identifier

1.5.1.9 Programmed Bike, Ped and Transit

LEGEND THEME NAME	SHAPEFILE	METADATA NAME
Programmed Bike, Ped and Transit	pr_bpt	Programmed Bike, Ped and Transit

LEGEND NAME: Programmed Bike, Ped and Transit

SHAPEFILE NAME: pr_bpt

SHAPEFILE AREA: STATEWIDE

SHAPEFILE OVERVIEW: The 'PR_BPT' multi-point theme represents the Programmed Bicycle, Pedestrian, Transit, Maintenance Station, Reserve Funds and Planning Programming Monitor projects. Programmed projects are comprised of STIP and SHOPP projects. Each project is located using the appropriate count seat X and Y coordinates derived from the county seat location in the Places coverage. The Places coverage was derived from the USGS Geographical Names Information System (GNIS).

VITAL STATISTICS:

Source:	CTIPS Database
Source Media:	Digital excel files extracted from the CTIPS database
Source Units:	meters
Source Scale:	1:100,000
Capture Method:	Component features taken from source data and assembled into coverages
Conversion Software:	ArcMap v. 8.3
Data Structure:	Vector
ARC/INFO Coverage Type:	Point
ARC/INFO Precision:	Double
ARC/INFO Tolerances:	10-meter fuzzy/0.00 meter dangle
Number of Features:	313
Data Updated:	October 2004

1.5.1.9.1 POINT attribute fields:

Bold item names represent those fields that are displayed in the theme table. NOTE: Item names are not in the same order as table headings. Item names may differ from the Table headings (aliases).

ITEM NAME	WIDTH	OUTPUT	TYPE	N.DEC
Shape	0	0	I	-
Dist	9	9	I	-
Co	254	254	C	-
Rte	254	254	I	-
Title	254	254	C	-
Proj_desc	254	254	C	-

Line_year	9	9	I	-
Paed	9	9	I	-
Pse	9	9	I	-
Pe	9	9	I	-
Rwsup	9	9	I	-
Consup	9	9	I	-
Rw	9	9	I	-
Con	9	9	I	-
Total_cost	9	9	I	-
EA	254	254	C	-
Ppno	9	9	C	-
Doc_type	8	8	C	-
Doc_yr	50	50	C	-
Agencyname	70	70	C	-
Agency_cod	9	9	I	-
Rtpa_name	60	60	C	-
Rtpa	41	41	C	-
Mpo_name	60	60	C	-
Mpo	8	8	C	-
Proj_type	40	40	C	-
Ctips_id	19	19	I	-

1.5.1.9.2 ITEM DESCRIPTIONS:

Shape	Non-topological format for storing the geometric location and attribute information of geographic features.
Dist	Caltrans District where the project is located.
Co	Two or three character code (using Caltrans GIS standard abbreviation) for the county. Example: SAC = Sacramento County.
Rte	Specifies the route number as designated by the state. If two or more routes occupy the same roadway, legislative highway number is coded.
Title	Name of Project
Proj_desc	Description of the project.
Line_year	Year funds will be released for the project
Doc_yr	Year the source document was approved.
Paed	Environmental funding for project. Values are in thousands (Example: 15000 = $15,000,000)
Pse	Specification and estimate funding for project. Values are in thousands (Example: 15000 = $15,000,000)
Pe	Preliminary construction funding for project. Values are in thousands (Example: 15000 = $15,000,000)
Rwsup	Sum of all funding sources for Right of Way Support
Consup	Sum of all funding sources for Construction Support
Rw	Sum of all funding sources for Right of Way
Con	Sum of all funding sources for Construction
Total_cost	Total cost of Project
EA	Expenditure Authorization
Ppno	CalTrans Planning and Programming Number
Doc_type	Source document used to plan the project.
Agencyname	The “spelled out” description of the sponsoring Agency.
Agency_cod	The Numeric code for the sponsoring Agency.
Rtpa_name	The “spelled out” description of the sponsoring RTPA
Rtpa	The Numeric code for the sponsoring RTPA
Mpo_name	The “spelled out” description of the sponsoring Metropolitan Planning Organization
Mpo	The sponsoring Metropolitan Planning Organization’s Project Indentifier
Proj_type	The “spelled out” description of the Project Type
Ctips_id	Unique identifier assigned within the CTIPS database

1.5.1.10 Rail Planned Projects

LEGEND THEME NAME	SHAPEFILE	METADATA NAME
Rail Planned	Rail_pl	Rail Planned

LEGEND NAME: Rail Planned

SHAPEFILE NAME: rail_pl

SHAPEFILE AREA: STATEWIDE

SHAPEFILE OVERVIEW: The 'RAIL' multi-point theme represents sited rail projects. Projects were placed referencing TeleAtlas mapping and project location data items. This information was used in conjunction with existing coverages from the Caltrans Spatial Library to manually generate a point coverage.

VITAL STATISTICS:

Source:	Transportation Planning Planned Project Database
Source Media:	Access tabular data, Digital excel files
Source Units:	meters
Source Scale:	1:100,000
Capture Method:	Digitized into coverages
Conversion Software:	ArcMap v. 8.3
Data Structure:	Vector
ARC/INFO Coverage Type:	Point
ARC/INFO Precision:	Double
ARC/INFO Tolerances:	10-meter fuzzy/0.00 meter dangle
Number of Features:	34
Data Updated:	June 2004

1.5.1.10.1 POINT attribute fields:

Bold item names represent those fields that are displayed in the theme table. NOTE: Item names are not in the same order as table headings. Item names may differ from the Table headings (aliases).

ITEM NAME	WIDTH	OUTPUT	TYPE	N.DEC
Shape	0	0	G	-
Dist	9	9	I	-
Co	7	7	C	-
Fromloc	50	50	C	-
Along	50	50	C	-
To_	50	50	C	-
Title	100	100	C	-
Proj_des	254	254	C	-
Line_yr	4	4	C	-
Const_yr	4	4	C	-
Total_cost	9	9	I	-
Purpose	50	50	C	-
Purp_code	5	5	C	-
Res_accont	50	50	C	-
Air_qua	3	3	C	-
Air_qua1	6	6	C	-
Goods_move	2	2	C	-
Goods_mo_1	8	8	C	-
Its	2	2	C	-
Its1	8	8	C	-

Doc	5	5	C	-
Doc_yr	4	4	I	-
Agencyname	254	254	C	-
Agencycode	10	10	C	-
Rtpa	50	50	C	-
Rtpa_name	60	60	C	-
Code	254	254	C	-
Proj_type	100	100	C	-
Map_code	50	50	C	-
City	28	28	C	-
Mpo_ID	50	50	C	-
Ctisprojid	50	50	C	-
Constraine	13	13	C	-
Shape_leng				
ObjectID	5	5	C	-

1.5.1.10.2 ITEM DESCRIPTIONS:

Shape	Non-topological format for storing the geometric location and attribute information of geographic features
Dist	Caltrans District in which the project is located.
Co	Two or three character code (using Caltrans GIS standard abbreviation) for the county. Example: SAC = Sacramento County.
Fromloc	Cross street or feature where project begins.
Along	Roadway or other feature along which the project will occur.
To_	Cross street or feature where project End.
Title	Name of Project
Proj_des	Description of the project.
Line_yr_	Year funds will be released for the project
Const_yr	Year construction on the project is scheduled to begin.
Total_cost	Total cost of Project
Purpose	The “spelled out” description of the numeric purpose codes
Purp_code	Project purpose codes.
Res_accont	Resulting access control on the facility.
Air_qua	Denotes Air Quality Conformity of the Project.
Air_qua1	The “spelled out” description of the Air Quality Conformity codes
Goods_move	Indicates whether project will directly benefit goods movement.
Goods_mo_1	The “spelled out” description of the goods movement codes.
Its	Indicates whether the project is an ITS (Intelligent Trans. Systems) Project.
Its1	The “spelled out” description of the Intelligent Trans. Systems codes
Doc	Source document used to plan/program the project.
Doc_yr	Year the source document was approved.
Agencyname	The “spelled out” description of the sponsoring Agency
Agencycode	The Numeric code for the sponsoring Agency
Rtpa	The Numeric code for the sponsoring RTPA
Rtpa_name	The “spelled out” description of the sponsoring RTPA
Code	The code for the Project Type
Proj_type	The “spelled out” description of the Project Type
Map_code	Value denoting whether the project as entered into the PPDB has the location described
City	The city where the project will occur
Mpo_id	The sponsoring Metropolitan Planning Organization’s Project Indentifier
Ctisprojid	Unique identifier assigned within the PPDB
Constraine	Denotes whether the project is constrained or unconstrained.
Shape_leng:	Length of the linear shape element in meters
ObjectID:	ESRI-generated unique identifier

1.5.1.11 Rail Programmed Projects

LEGEND THEME NAME	SHAPEFILE	METADATA NAME
Rail Programmed	Rail_pr	Rail Programmed

LEGEND NAME: Rail Programmed

SHAPEFILE NAME: Rail_pr

SHAPEFILE AREA: STATEWIDE

SHAPEFILE OVERVIEW: The 'RAIL' multi-point theme represents sited rail projects. Projects were placed referencing TeleAtlas mapping and project location data items. This information was used in conjunction with existing coverages from the Caltrans Spatial Library to manually generate a point coverage.

VITAL STATISTICS:

Source:	Programming (CTIPS) database
Source Media:	Access tabular data, Digital excel files
Source Units:	meters
Source Scale:	1:100,000
Capture Method:	Digitized into coverages
Conversion Software:	ArcMap v. 8.3
Data Structure:	Vector
ARC/INFO Coverage Type:	Linear
ARC/INFO Precision:	Double
ARC/INFO Tolerances:	10-meter fuzzy/0.00 meter dangle
Number of Features:	31
Data Updated:	October 2004

1.5.1.11.1 LINE attribute fields:

Bold item names represent those fields that are displayed in the theme table. NOTE: Item names are not in the same order as table headings. Item names may differ from the Table headings (aliases).

ITEM NAME	WIDTH	OUTPUT	TYPE	N.DEC
Shape	0	0	G	-
Dist	15	15	I	-
Co	15	15	C	-
Rte	15	15	C	-
Title	15	15	C	-
Proj_des	15	15	C	-
Line_yr	15	15	C	-
Paed	15	15	I	-
Pse	15	15	I	-
Pe	15	15	I	-
Rw_sup	15	15	I	-
Con_sup	15	15	I	-
Rw	15	15	I	-
St_prg_con	15	15	I	-
Con	15	15	I	-
Total_cost	15	15	I	-
EA	15	15	C	-
Ppno	15	15	C	-
Doc	15	15	C	-
Doc_year	15	15	I	-

Agency	15	15	I	-
Agencyname	15	15	C	-
Rtpa_name	15	15	C	-
Rtpa	15	15	C	-
MPO_name	15	15	C	-
MPO	15	15	C	-
Proj_type	15	15	C	-
Ctips_id	20	20	I	-
Shap_Leng				

1.5.1.11.2 ITEM DESCRIPTIONS:

Shape	Non-topological format for storing the geometric location and attribute information of geographic features
Dist	Caltrans District in which the project is located.
Co	Two or three character code (using Caltrans GIS standard abbreviation) for the county. Example: SAC = Sacramento County.
Rte	Specifies the route number as designated by the state. If two or more routes occupy the same roadway, legislative highway number is coded.
Title	Name of Project
Proj_des	Description of the project.
Line_yr	Year funds will be released for the project
Doc_year	Year construction on the project is scheduled to begin.
Paed:	Environmental funding for project. Values are in thousands (Example: 15000 = $15,000,000)
Pse:	Specification and estimate funding for project. Values are in thousands (Example: 15000 = $15,000,000)
Pe:	Preliminary construction funding for project. Values are in thousands (Example: 15000 = $15,000,000)
Rw_sup:	Sum of all funding sources for Right of Way Support
Con_sup:	Sum of all funding sources for Construction Support
Rw:	Sum of all funding sources for Right of Way
Con:	Sum of all funding sources for Construction
St_prg_con:	Sum of all funding sources from programming
Total_cost	Total cost of Project
EA_number:	Expenditure Authorization
Ppno :	CalTrans Planning and Programming Number
Doc	Source document used to plan/program the project.
Agencycode	The Numeric code for the sponsoring Agency
Agencyname	The “spelled out” description of the sponsoring Agency
Rtpa_name	The “spelled out” description of the sponsoring RTPA
Rtpa	The Numeric code for the sponsoring RTPA
MPO_name	The “spelled out” description of the sponsoring Metropolitan Planning Organization
Mpo	The aphanumeric code for the sponsoring Metropolitan Planning Organization
Proj_type	The “spelled out” description of the Project Type
Ctips_id:	Unique identifier assigned within the CTIPS database
Shape_leng:	Length of the linear shape element in meters

1.6 Roadway Features

1.6.1.1 County Roads

LEGEND THEME NAME	SHAPEFILE	METADATA NAME	COUNTY

Alpine Roads	alpine	FUNC	Alpine
Amador Roads	ama	FUNC	Amador
AMBAG Roads	skag	FUNC	Monterey, San Benito, Santa Cruz
Butte CAG Roads	but	FUNC	Butte
Calaveras Roads	theme8	FUNC	Calaveras
Colusa Roads	col	FUNC	Colusa
Del Norte Roads	dn	FUNC	Del Norte
Fresno CAG Roads	fre	FUNC	Fresno
Glenn Roads	gle	FUNC	Glenn
Humboldt Roads	theme10	FUNC	Humboldt
Inyo Roads	iny	FUNC	Inyo
Kern COG Roads	ker	FUNC	Kern
Kings County Roads	kings	FUNC	Kings
Lake Roads	lak	FUNC	Lake
Lassen Roads	las	FUNC	Lassen
Madera Roads	mad	FUNC	Madera
Mariposa Roads	mpa	FUNC	Mariposa
Mendocino Roads	men	FUNC	Mendocino
Merced COG Roads	mer	FUNC	Merced
Modoc Roads	mod	FUNC	Modoc
Mono Roads	mno	FUNC	Mono
MTC Roads	mtc	FUNC	Alameda, Contra Costa, Marin, Napa, Solano, Sonoma, San Francisco, San Mateo, Santa Clara,
Plumas Roads	plu	FUNC	Plumas
SACOG Roads	sacog2	FUNC	Placer, Sacramento, Sierra, Sutter, Yolo, Yuba
San Francisco Roads	sffunc	FUNC	San Francisco
San Joaquin COG Roads	sj	FUNC	San Joaquin
San Luis Obispo COG Roads	slo	FUNC	San Luis Obispo
SANDAG Roads	sandag	FUNC	San Diego
Santa Barbara COG Roads	sb	FUNC	Santa Barbara
SCAG Roads	theme4	FUNC	Imperial, Los Angeles, Riverside, San Bernardino, Ventura
Shasta RTPA Roads	sha	FUNC	Shasta
Siskiyou Roads	sis	FUNC	Siskiyou
Stanislaus CAG Roads	sta	FUNC	Stanislaus
Tehama Roads	teh	FUNC	Tehama
Trinity Roads	tri	FUNC	Trinity
Tulare CAG Roads	tul	FUNC	Tulare
Tuolumne Roads	tuo	FUNC	Tuolumne

COVERAGE NAME: FUNC

COVERAGE AREA: Statewide, District, County

COVERAGE DESCRIPTION:

The FUNC coverage is line coverage representing the California Department of Transportation (Caltrans) State Highway routes, highway ramps, and Functionally Classified Roads. Dynamic Segmentation is not available in the Statewide and District coverages.

USER NOTES:

In order to run dynamic segmentation in the FUNC coverage, two info files are needed: RATRTE and SECRTE. The Caltrans postmile system is the linkage between the FUNC coverage and other Caltrans databases. The SECT_ID item is the linkage between the FUNC coverage and the HPMS database.
There is another route system on the county coverage called llr. This route system is no longer maintained but is being preserved for future evaluation.

Sign Routes: In order to do analysis by highway signed routes, it is necessary to clarify the coincident route coding. When two Interstate, state or business route numbers occupy the same roadway, the coincident route number is that route which is not postmiled and is coded in item COINRTE (i.e.: State route 70 is signed on state route 99 in Sacramento. State route 70 is coded in COINRTE.) When three state route numbers or three interstate route numbers occupy the same roadway, the second coincident route number is coded in item COINRTE2 (i.e. Route 59 and route 140 are on route 99 in Merced. Route140 is coded in COINRTE and Route 59 is coded in COINRTE2.)

The definitions in the HPMS database are not identical for the TRKRT and STRAHNET items.

VITAL STATISTICS:

Datum:	NAD 83
Projection:	Albers
Units:	Meters
1st Std. Parallel:	34 degrees N
2nd Std. Parallel:	40.5 degrees N
Longitude of Origin:	-120 degrees W
Latitude of Origin:	0 degrees N
False Easting:	0
False Northing:	-4,000,000
Source Media:	USGS DLG
Source Projection:	Universal Transverse Mercator Zone 10/11
Source Units:	Meters
Source Scale:	1:100,000
Capture Method:	Scanned
Conversion Software:	ARC/INFO rev. 5.0.1
Data Structure:	Vector
ARC/INFO Coverage Type:	Arc
ARC/INFO Precision:	Double
ARC/INFO Tolerances:	10 meters
Frequency of Updates:	Annual postmile updates or other significant changes.

Data Updated: Jun 1998 (Scenic attribute)
Jan 2000 (TRKRT)
Feb 2001 (dynseg corrections for slo, ora, sf)
Apr 2001 (removed hgroup item, changed seg to sect_id)
Sep 2001 (2000 Postmiles, improved topology and functional classification updates)
Jun 2002 (TRKRT, topology, fc, HPMS, scenic)
Oct 2002 (2001 Postmiles, S & U Routes postmiled)
May 2003 (NHS, STRAHNET from FHWA 10/2002)
Oct 2003 (2002 Postmiles, TRKRT, NHS, SCENIC, Functional classification updates and HPMS related updates)

Update Media:	Caltrans County Map Series
Update Method:	Digitizing
Update Software:	ARC/INFO rev. 7.2.1, ArcGis 8.3

DATA DICTIONARY:

File name: FUNC.AAT
Record length: 174

NOTE: Items common to all line coverages: FNODE#, TNODE#, LPOLY#, RPOLY#, LENGTH, <coverage>#, and <coverage>-ID are not shown.

1.6.1.1.1 LINE attribute fields:

COLUMN	ITEM NAME	WIDTH	OUTPUT	TYPE	N.DEC
33	RTE	3	3	I	-
36	SUBRTE	3	3	I	-
39	ROUTE2	2	5	B	-
41	STATUS	2	2	B	-
43	RAMP	2	2	B	-
45	CO	3	3	C	-
48	DIST	2	2	C	-
50	SEG1#	4	4	C	-
54	SEG2#	6	6	C	-
60	RUCODE	1	1	I	-
61	URBCODE	3	3	I	-
64	FUNCCL	2	2	I	-
66	NEWFUNCCL	2	2	I	-
68	CONSTRUCTED	1	1	I	-
69	TRKRT	2	2	I	-
71	STRAHNET	1	1	I	-
72	HPCORD	1	1	I	-
73	NHS	1	1	I	-
74	LIFE	1	1	I	-
75	SCENIC	1	1	I	-
76	BIKE	1	1	I	-
77	ICB	3	3	I	-
80	IRRS	1	1	I	-
81	F&E	1	1	I	-
82	LLRSUB	2	2	I	-
84	SUBFLG	1	1	I	-
85	BPM	8	8	N	3
93	EPM	8	8	N	3
101	ITMS	1	1	I	-
102	ITMS-ID	28	28	C	-
130	GIS-ID	9	9	C	-
139	UPDATE-ID	9	9	C	-
148	NUMLANE	2	2	C	-
150	ACCONT	1	1	I	-
151	RSYS	1	1	I	-
152	IRTE	3	3	I	-
155	USRTE	3	3	I	-
158	SRTE	3	3	I	-
161	LRTE	3	3	I	-
164	BRTE	3	3	I	-
167	COINRTE	3	3	I	-
170	COINRTE2	3	3	I	-
173	EDIT_DATE	8	8	D	-

181	EDIT_TYPE	3	3	C	-
184	EDIT_SOURCE	3	3	C	-

** REDEFINED ITEMS **

33	RDS	6	6	I	-
48	SECT_ID	12	12	C	-
50	SEG#	10	10	C	-

1.6.1.1.2 ITEM DESCRIPTIONS:

RTE: Postmile Route number

DO NOT MODIFY. Corresponds to TASAS postmile route numbers. It may or may not correspond to the Legislative Route number or the signed route number seen on highway maps and road signs. This item is used in dynamic segmentation. To find Postmiled State Highways select RTE ne 0 and STATUS= 1,4,5,6.

SUBRTE: Subroute

DO NOT MODIFY. This item is used in dynamic segmentation.

ROUTE2:

This item is used to display state highways that are within a national park, adopted and proposed routes, and S & U routes.

STATUS: Status of State Highways

0 - Not State Highway
1 - Constructed State Highway (paved or unpaved) (Postmiled)
2 - Adopted; Not yet constructed. Alignment known. (Not postmiled)
3 - Proposed; Not yet constructed. Alignment unknown. (Not postmiled)
4 - Constructed State Highway (Non ADD) (Postmiled)
5 - Constructed State Highway (Pending relinquishment.) (Postmiled)
6- Unrelinquished Route or Supplemental Route (U & S routes) (Postmiled)

ITEM DESCRIPTIONS (continued):

RAMP: Flag for ramps

0 - not highway ramp
1 - highway ramp
NOTE: Most ramps reflect the original DLG line work. Ramp lengths are not postmiled.

CO: Caltrans county abbreviation

DIST: Caltrans District number

SEG1#: Part 1 of HPMS segment ID (ROUTE-ID)

SEG2#: Part 2 of HPMS segment ID (SECTION-ID)

Note: SEG1#, SEG2# are HPMS items. DO NOT MODIFY without consulting HPMS staff..

RUCODE: Urban/Rural Designation Code

1 = Rural
2 = Small Urban
3 = Urbanized

URBCODE: Urbanized area codes, unique FIPS codes for each urbanized area.

FUNCCL: Item used to describe functional classification system

0 =	Not Functionally Classified	
1 = Rural	Principal Arterial-Interstate	(PAI)
2 = Rural	Other Principal Arterial	(OPA)
6 = Rural	Minor Arterial	(MA)
7 = Rural	Major Collector	(MJC)
8 = Rural	Minor Collector	(MNC)
11 = Urban	Principal Arterial – Interstate	(PAI)
12 = Urban	Principal Arterial/Other Fwys or Expwys	(OFE)
14 = Urban	Other Principal Arterial	(OPA)
16 = Urban	Minor Arterial	(MA)
17 = Urban	Collector	(COL)

NEWFUNCCL: Item used to identify proposed functional class changes that have not been verified by the Office of Highway System Engineering. This item uses the same coding values as FUNCCL.

CONSTRUCTED: Item used to identify constructed or not constructed roadways. It is based on the federally approved CRS maps for non highways and status 2 and 3 for highways.

0 = Not Constructed
1 = Constructed

TRKRT: Note: The TRKRT item has been superceded by the new (April 2004) TRKNET data layer. Having TRKNET as a separate layer enables more attributes to be associated with it. For transition, TRKRT will remain as a FUNC item until the end of 2004, at which time it will be dropped.

TRKRT: Item used to define National Truck Network

0 = Not part of the Truck Network
1 = National Network for STAA Trucks
2 = Terminal Access Routes
3 = Routes for Tractor-Semis with Kingpin to Rear Axle Length < 30 Ft.
4 = Routes for Tractor-Semis with Kingpin to Rear Axle Length 30 Ft.
5 = Routes for Tractor-Semis with Kingpin to Rear Axle Length 32 Ft.
6 = Routes for Tractor-Semis with Kingpin to Rear Axle Length 34 Ft.
7 = Routes for Tractor-Semis with Kingpin to Rear Axle Length 36 Ft.
8 = Routes for Tractor-Semis with Kingpin to Rear Axle Length 38 Ft.
9 = Routes for Tractor-Semis with 65-Foot Overall length and 40-Foot Kingpin to Rear Axle Length (CA LEGAL)
10 = Routes with Restrictions

NOTE: To view the special restrictions, go to http://www.dot.ca.gov/hq/traffops/trucks/trucksize/truckmap/ and click on the link "Routes 1-99" or "Routes 101 to 980".

STRAHNET: Item defining Strategic Highway Network (STRAHNET) or STRAHNET Connectors. It is coded to reflect the internal FHWA coding. The Office of GIS added code STRAHNET = 6. This value is for Interstate STRAHNET arcs only. The purpose for distinguishing the Interstate is to assist FHWA with their next update cycle. FHWA did not separate 'Interstate' from routes 'Not on the STRAHNET' (code = 0).

NOTE: To make an official STRAHNET map use the following query:

Entire STRAHNET system	STRAHNET > 0
Or	
STRAHNET route	STRAHNET = 1, 6
STRAHNET connectors	STRAHNET = 2, 3, 4
STRAHNET temporary route	STRAHNET = 5 (At this update California does not have any route coded STRAHNET = 5

0 = Not STRAHNET
1 = Non Interstate STRAHNET arc
2 = STRAHNET Priority 1 Connector
3 = STRAHNET Priority 2 Connector
4 = STRAHNET Priority 3 Connector
5 = Temporary STRAHNET Route
6 = Interstate STRAHNET arc

HPCORD: Item used to define Congressional High Priority Corridor.

0 = Not on a Congressional High Priority Corridor
1 = Congressional High Priority Corridor

NHS: Item used to define road systems that make up the National Highway System. It is coded to reflect the internal FHWA coding.

NOTE: To make an official NHS map use the following query:

Interstate	NHS = 1
Other NHS	NHS = 2, 3, 4, 5, 6, 7
Connectors	NHS = 8

ITEM DESCRIPTIONS (continued):

Other System Selections:

Congressional or ISTEA High Priority Corridor: NHS = 2, 5, 6

Strahnet: NHS = 1, 3, 4, 6

0 = Not on National Highway System
1 = Eisenhower Interstate System
2 = ISTEA High Priority Corridor
3 = Non-Interstate STRAHNET
4 = STRAHNET Connector
5 = ISTEA High Priority Corridor / Non-Interstate STRAHNET
6 = ISTEA High Priority Corridor / STRAHNET Connector
7 = Other NHS
8 = Approved Intermodal Connector
9 = Proposed Intermodal Connector

LIFE: Item used to define LifeLine Routes on the State Highway System.

0 = Not a Life Line Route
1 = Life Line Route

SCENIC: Item used to define a State Highway that is designated as a Scenic Highway.

0 = Not a Scenic Highway
1 = Officially designated as a State Scenic Highway
2 = Eligible to become a State Scenic Highway
3 = Unconstructed State Highway eligible for Scenic designation
4 = Officially designated County Scenic Highway
5 = Connecting Federal Highway (Inside National Parks)
6 = Officially designated Historic Parkway

BIKE: Item used to define bike routes on a State Highway.

0 = Not State Highway; bicycle access not determined or evaluated.
1 = State Highway is accessible for bicycles.
2 = State Highway is inaccessible for bicycles .

ICB: A numeric code used to identify intercity bus routes and the carriers who use that route.

(Please refer to “ICB CODES” attachment)

IRRS: Item used to define the Interregional Road System.

0 = Not an Interregional Road System
1 = Interregional Road System
2 = Interregional Road System, unconstructed routes
3 = Not an Interregional Road System, selected unconstructed routes

F&E: Item used to define the Freeway and Expressway System.

0 = Not a Freeway and Expressway System
1 = Freeway and Expressway System

ITEM DESCRIPTIONS (continued):

2 = Freeway and Expressway System, unconstructed routes
3 = Not a Freeway and Expressway System, selected unconstructed routes

LLRSUB: HPMS field; LLR Subroute

DO NOT MODIFY.

SUBFLG: HPMS field; Flag

DO NOT MODIFY.

BPM: HPMS field; Beginning odometer value of related HPMS segment. This is not the odometer value for a particular arc but only for the beginning of the segment that the arcs comprise.

EPM: HPMS field; Ending odometer value of related HPMS segment. This is not the odometer value for a particular arc but only for the end of the segment that the arcs comprise.

ITMS: Item to identify an Intermodal Transportation Management System (ITMS) corridor / connector.

(CURRENTLY THIS ITEM IS NOT CODED)

ITMS-ID: This ID is used to relate to the ITMS model.

(CURRENTLY THIS ITEM IS NOT CODED)

GIS-ID: An internal ID used by the Caltrans Service Center.

DO NOT MODIFY

UPDATE-ID: This ID is used to date arcs that are updated.

NUMLANE: Number of lanes. Used for display on the Caltrans State Highway Map. May not be the same as shown in the State Highway Inventory Database.

02 = 2 lanes
04 = 4 or more lanes

ACCONT: Access control. Used for display on the Caltrans State Highway Map. May not be the same as shown in the State Highway Inventory Database.

0 = Not displayed
1 = Freeway
2 = Expressway
3 = Conventional
4 = National Park
5 = Relinquished
6 = Toll Road
7 = Adopted
8 = Proposed

RSYS: Item used to define the type of Route System.

0 = Not a Route System
1 = Interstate Route System
2 = US Route System
3 = State Route System

IRTE: Signed Interstate route number

This item is used to display highways that are signed Interstate to the traveling public. This item is also used to display the Interstate symbol on maps.

USRTE: Signed US routes number

This item is used to display highways that are signed US to the traveling public. This item is also used to display the US symbol on maps.

SRTE: Signed State routes number

This item is used to display highways that are signed State to the traveling public. This item is also used to display the State symbol on maps.

LRTE: Legislative route number

This item is used to display the State Highway Route as defined in the Caltrans Statutes sections 300 - 635. This item is also used to display the legislative symbol on maps.

BRTE: Business route number

This item is used to display routes that are signed Business to the traveling public. This item is also used to display the business symbol on maps.

COINRTE: Coincident route number

This item is used to display the number of the coincident route when there are two state routes or two interstate or two business routes on the same roadway. This item is also used to display the appropriate symbol on maps.

COINRTE2: Second Coincident route number

This item is used to display the number of the second coincident route when there are three state routes or three interstate routes on the same roadway. This item is also used to display the appropriate symbol on maps.

EDIT_DATE: Date the change was made to the data. (YYMMDD)

EDIT_TYPE:
t = topology
a = attribute
f = functional classification
p = postmile
r = realignment

EDIT_SOURCE:
gis = GIS data edits
tas = TASAS
tos = Traffic Operations Systems
hpm = HPMS
pla = Planning
mas = Mass Transit
lsc = Landscape
hse = Highway Systems Engineering

mul = multiple sources

** REDEFINED ITEMS **

RDS: This item is a combination of the RTE and SUBRTE items in the <coverage>. AAT file. It is the linkage between the arcs and the RTE route system.

SECT_ID: This item is a combination of the DIST, SEG1# and SEG2# items in the <coverage> AAT file. It is used as a relate item to the HPMS database category 7A. This item may be duplicated between counties.

SEG#: This item is a combination of the SEG1# and SEG2# items in the <coverage>. AAT file.
DATABASE RELATION: HPMS

HPMS is a county info table that contains several HPMS database items. The relate item is sect_id.

DATA QUALITY ASSESSMENT:

ICB	CARRIER
0	none
101	Amtrak Bus Connectors
102	Amador Stage Lines
103	California Yosemite Tours
104	Desert Stage Lines
105	Green Tortoise
106	Green Belt Stages
107	Greyhound
108	Orange Belt Stages
109	Trailways
110	Via Adventures
111	Vista
201	Amtrak Bus ** Greyhound
202	Amtrak Bus ** Orange Belt
203	Amtrak Bus ** Vista
204	Desert Stage ** Trailways
205	Green Tortoise ** Greyhound
206	Greyhound ** Orange Belt
207	Greyhound ** Trailways
208	Trailways ** Vista
209	Greyhound ** Vista
210	Greyhound ** Desert Stage
301	Amtrak Bus ** Green Belt ** Greyhound
302	Amtrak Bus ** Green Tortoise ** Greyhound
303	Amtrak Bus ** Greyhound ** Orange Belt
304	Amtrak Bus ** Greyhound ** Trailways
305	Cal Yosemite ** Greyhound ** Via Adventures
306	Cal Yosemite ** Greyhound ** Trailways
307	Greyhound ** Trailways ** Vista
308	Greyhound ** Trailways ** Orange Belt
309	Amtrak Bus ** Greyhound ** Desert Stage
401	Amtrak Bus ** Greyhound ** Trailways ** Amador

402 Amtrak Bus ** Greyhound ** Cal Yosemite ** Via Adventures
403 Amtrak Bus ** Greyhound ** Trailways ** Orange Belt
404 Amtrak Bus ** Greyhound ** Trailways ** Cal Yosemite

501 Amtrak Bus ** Amador ** Green Tortoise ** Greyhound ** Trailways
601 Amtrak Bus ** Amador ** Green Belt ** Green Tortoise ** Greyhound ** Trailways

1.6.1.2 State Highway

LEGEND THEME NAME	SHAPEFILE	METADATA NAME
State Highways	hiway	FUNC

COVERAGE NAME: ST_HWY

COVERAGE AREA: State

COVERAGE DESCRIPTION:

The ST_HWY coverage is a line coverage representing the California Department of Transportation (Caltrans) State Highway routes. ST_HWY is a reduced version of the FUNC coverage, consisting of adopted, proposed and constructed State Highway routes, including within National Parks. The ST_HWY coverage contains all the attributes of the FUNC coverages.

USER NOTES:

The Caltrans postmile system is not available on the ST_HWY coverage. The SECT_ID item is the linkage between the ST_HWY coverage and the HPMS database.

The definitions in the HPMS database are not identical for the TRKRT and STRAHNET items.

VITAL STATISTICS:

Datum: NAD 83
Projection: Albers
Units: Meters
1st Std. Parallel: 34 degrees N
2nd Std. Parallel: 40.5 degrees N
Longitude of Origin: -120 degrees W
Latitude of Origin: 0 degrees N
False Easting: 0
False Northing: -4,000,000
Source Media: USGS DLG
Source Projection: Universal Transverse Mercator Zone 10/11
Source Units: Meters
Source Scale: 1:100,000
Capture Method:
Conversion Software:
Data Structure: Vector
ARC/INFO Coverage Type: Arc
ARC/INFO Precision: Double
ARC/INFO Tolerances: 10 meters
Frequency of Updates: As FUNC coverage highway data is updated
Data Updated: September 2001, January 2004
Update Media: Caltrans County Map Series
Update Method: Digitizing
Update Software: ARC/INFO rev. 7.2.1, 8.3

DATA DICTIONARY:

File name: ST_HWY.AAT
Record length: 171

NOTE: Items common to all line coverages: FNODE#, TNODE#, LPOLY#, RPOLY#, LENGTH, <coverage>#, and <coverage>-ID are not shown.

1.6.1.2.1 LINE attribute fields:

COLUMN	ITEM NAME	WIDTH	OUTPUT	TYPE	N.DEC
33	RTE	3	3	I	-
36	SUBRTE	3	3	I	-
39	ROUTE2	2	5	B	-
41	STATUS	2	2	B	-
43	RAMP	2	2	B	-
45	CO	3	3	C	-
48	DIST	2	2	C	-
50	SEG1#	4	4	C	-
54	SEG2#	6	6	C	-
60	RUCODE	1	1	I	-
61	URBCODE	3	3	I	-
62	FUNCCL	2	2	I	-
66	NEWFUNCCL	2	2	I	-
68	CONSTRUCTED	1	1	I	-
69	TRKRT	2	2	I	-
71	STRAHNET	1	1	I	-
72	HPCORD	1	1	I	-
73	NHS	1	1	I	-
74	LIFE	1	1	I	-
75	SCENIC	1	1	I	-
76	BIKE	1	1	I	-
77	ICB	3	3	I	-
80	IRRS	1	1	I	-
81	F&E	1	1	I	-
82	LLRSUB	2	2	I	-
84	SUBFLG	1	1	I	-
85	BPM	8	8	N	3
93	EPM	8	8	N	3
101	ITMS	1	1	I	-
102	ITMS-ID	28	28	C	-
130	GIS-ID	9	9	C	-
139	UPDATE-ID	9	9	C	-
148	NUMLANE	2	2	C	-
150	ACCONT	1	1	I	-
151	RSYS	1	1	I	-
152	IRTE	3	3	I	-
155	USRTE	3	3	I	-
158	SRTE	3	3	I	-
161	LRTE	3	3	I	-
164	BRTE	3	3	I	-
167	COINRTE	3	3	I	-
170	COINRTE2	3	3	I	-

** REDEFINED ITEMS **

33	RDS	6	6	I	-
50	SEG#	10	10	C	-
48	SECT_ID	12	12	C	-

1.6.1.2.2 ITEM DESCRIPTIONS:

RTE: Postmile Route number

DO NOT MODIFY. Corresponds to TASAS postmile route numbers. May or may not correspond to the Legislative Route number or the signed route number seen on highway maps and road signs. Adopted and proposed highways, and state highways that are within National Parks are coded under the item ROUTE2. To find postmiled State Highways select: RTE ne 0 and STATUS = 1, 4, 5.

SUBRTE: Subroute

DO NOT MODIFY. This item is not applicable to the statewide coverage.

ROUTE2: This item is used to display state highways that are within a national park, adopted and proposed routes, and U & S routes.

STATUS: Status of State Highways

0 - Not State Highway
1 - Constructed State Highway (paved or unpaved)
2 - Adopted; Not yet constructed. Alignment known. (Not postmiled in coverage)
3 - Proposed; Not yet constructed. Alignment unknown. (Not postmiled in coverage)
4 - Constructed State Highway (Non ADD)
5 - Constructed State Highway (Pending relinquishment)
6- Unrelinquished Route or Supplemental Route. (U & S routes) (Not postmiled in coverage)

UPDINFO: Date arc modified and by whom

0 - has not been updated; line is from USGS DLG
mmyy.01 - updated by Caltrans on mmyy
mmyy.02 - updated by Teale on mmyy

Note: The information in this item is not current.

RAMP: Flag for ramps

0 - not highway ramp
1 - highway ramp

NOTE: The geometry of most ramps have not been modified and reflect the original DLG linework. Ramp lengths are not postmiled.

CO: Caltrans county abbreviation

DIST: Caltrans District number

SEG1#: Part 1 of HPMS segment ID (ROUTE-ID)

SEG2#: Part 2 of HPMS segment ID (SECTION-ID)

SEG1#, SEG2# are HPMS items. DO NOT MODIFY without consulting HPMS staff.
SEG: Key used to relate FUNC.AAT to XXX_HPMS_DAT
(Refer to HPMS documentation for format of XXX_HPMS_DAT)
(SEG is a redefined item comprised of DIST, SEG1# and SEG2#)

RUCODE: Urban/Rural Designation Code

1 = Rural
2 = Small Urban
3 = Urbanized

URBCODE: Urbanized area codes, unique FIPS codes for each urbanized areas.

FUNCCL: Item used to describe functional classification system

01 = Rural	Principal Arterial-Interstate	(PAI)
02 = Rural	Other Principal Arterial	(OPA)
06 = Rural	Minor Arterial	(MA)
07 = Rural	Major Collector	(MJC)
08 = Rural	Minor Collector	(MNC)
11 = Urban	Principal Arterial – Interstate	(PAI)
12 = Urban	Principal Arterial/Other Fwys or Expwys (OFE)	
14 = Urban	Other Principal Arterial	(OPA)
16 = Urban	Minor Arterial	(MA)
17 = Urban	Collector	(COL)

NEWFUNCCL: Item used to identify proposed functional class changes that have not been verified by the Office of Highway System Engineering. This item uses the same coding values as FUNCCL.

CONSTRUCTED: Item used to identify constructed or not constructed roadways. It is based on the federally approved CRS maps for non highways and status 2 and 3 for highways.

0 = Not Constructed
1 = Constructed

TRKRT: Item used to define National Truck Network
0 = Not part of the National Truck Network
1 = National Network for STAA Trucks
2 = Terminal Access Routes to the National Network
3 = Routes for Tractor-Semis with Kingpin to Rear Axle Length < 30 Ft.
4 = Routes for Tractor-Semis with Kingpin to Rear Axle Length 30 Ft.
5 = Routes for Tractor-Semis with Kingpin to Rear Axle Length 32 Ft.
6 = Routes for Tractor-Semis with Kingpin to Rear Axle Length 34 Ft.
7 = Routes for Tractor-Semis with Kingpin to Rear Axle Length 36 Ft.
8 = Routes for Tractor-Semis with Kingpin to Rear Axle Length 38 Ft.
9 = Routes for Tractor-Semis with 65-Foot Overall length and 40-Foot Kingpin to Rear Axle Length (CA LEGAL)
10 = Routes with Operational Restrictions

STRAHNET: Item used to define Strategic Highway Network (STRAHNET) or STRAHNET Connectors
0 = Not STRAHNET
1 = STRAHNET route
2 = STRAHNET connector route A
3 = STRAHNET connector route B

HPCORD: Item used to define Congressional High Priority Corridor
0 = Not on a Congressional High Priority Corridor
1 = Congressional High Priority Corridor

NHS: Item used to define road systems that are part of a National Highway System
0 = Not part of a National Highway System
1 = Eisenhower Interstate System
2 = Congressional High Priority Route
3 = STRAHNET Route
4 = STRAHNET Major Connector
5 = Other NHS Route
6 = Congressional High Priority Route and STRAHNET Major Connector
7 = NHS Connector (proposed NHS connectors)

LIFE: Item used to define Life Line Routes on the State Highway System

0 = Not a Life Line Route
1 = Life Line Route

SCENIC: Item used to define a State Highway that is designated as a Scenic Highway
0 = Not a Scenic Highway
1 = Officially designated as a Scenic Highway
2 = Eligible to become a Scenic Highway
3 = Unconstructed State Highway eligible for Scenic designation
4 = Officially designated County Scenic Highway
5 = Connecting Federal Highway (Inside National Parks)
6 = Officially designated Historic Parkway

BIKE: Item used to define bike routes on a State Highway
0 = Not State Highway; bicycle access not determined or evaluated
1 = State Highway is accessible for bicycles
2 = State Highway is inaccessible for bicycles

ICB: A numeric code used to identify intercity bus routes and the carriers who use that route
(Please refer to "ICB CODES" attachment)

IRRS: Item used to define the Interregional Road System
0 = Not an Interregional Road System
1 = Interregional Road System
2 = Interegional Road System, unconstructed routes
3 = Not an Interregional Road System, selected unconstructed routes

F&E: Item used to define the Freeway and Expressway System
0 = Not a Freeway and Expressway System
1 = Freeway and Expressway System
2 = Freeway and Expressway System, unconstructed routes
3 = Not a Freeway and Expressway System, selected unconstructed routes
(THIS ITEM WILL EXIST IN A FUTURE VERSION)

LLRSUB: HPMS field; LLR Subroute
DO NOT MODIFY.

SUBFLG: HPMS field; Flag
DO NOT MODIFY.

BPM: HPMS field ; Beginning odometer value of related HPMS segment. This is not the odometer value for a particular arc but only for the beginning of the segment that the arcs comprise.

EPM: HPMS field; Ending odometer value of related HPMS segment. This is not the odometer value for a particular arc but only for the beginning of the segment that the arcs comprise.

ITMS: Item used to identify an Intermodal Transportation Management System (ITMS) corridor or connector
(CURRENTLY THIS ITEM IS NOT CODED)

ITMS-ID: This ID is used to relate to the ITMS model.
(CURRENTLY THIS ITEM IS NOT CODED)

GIS-ID: An internal ID used by the Caltrans Service Center
DO NOT MODIFY

UPDATE-ID: This ID is used to identify arcs that are in the process of being updated.

NUMLANE: Number of lanes. Used for display on the Caltrans State Highway Map. May not be the same as shown in the State Highway Inventory Database.

02 = 2 lanes
04 = 4 or more lanes

ACCONT: Access control. Used for display on the Caltrans State Highway Map. May not be the same as shown in the State Highway Inventory Database.

0 = Not displayed
1 = Freeway
2 = Expressway
3 = Conventional
4 = National Park
5 = Relinquished
6 = Toll Road
7 = Adopted
8 = Proposed

RSYS: Item used to define the type of Route System
0 = Not a Route System
1 = Interstate Route System
2 = US Route System
3 = State Route System

IRTE: Signed Interstate route number.
This item is used to display highways that are signed Interstate to the traveling public.

USRTE: Signed US route number
This item is used to display highways that are signed US to the traveling public.

SRTE: Signed State route number
This item is used to display highways that are signed State to the traveling public.

LRTE: Legislative route number
This item is used to display the State Highway Route as defined in the Caltrans Statutes sections 300 - 635. This item is also used to display the legislative symbol on maps.

BRTE: Business route number
This item is used to display routes that are signed Business to the traveling public.

COINRTE: Coincident route number
This item is used to display the number of the coincident route when there are two state routes or two interstate routes on the same roadway.

COINRTE2: Second Coincident route number
This item is used to display the number of the second coincident route when there are three state routes or three interstate routes on the same roadway.

Redefined Items

SECT_ID: This item is a combination of the DIST, SEG1#, and SEG2# items.
The SEG item is used as a relate item to the HPMS database category 7A (CalTrans district, route, postmile or section designation.)

RDS: This item is a combination of the RTE and SUBRTE items. It is the linkage between the arcs and the RTE route system.

SEG#: This item is a combination of the SEG1# and SEG2# items.

RELATIONAL DATA

Currently there are no data relationships established.

DATABASE RELATION:

Currently there are no database relationships established.

DATA QUALITY ASSESSMENT:

ICB	CARRIER
0	None
101	Amtrak Bus Connectors
102	Amador Stage Lines
103	California Yosemite Tours
104	Desert Stage Lines
105	Green Tortise
106	Green Belt Stages
107	Greyhound
108	Orange Belt Stages
109	Trailways
110	Via Adventures
111	Vista
201	Amtrak Bus ** Greyhound
202	Amtrak Bus ** Orange Belt
203	Amtrak Bus ** Vista
204	Desert Stage ** Trailways
205	Green Tortoise ** Greyhound
206	Greyhound ** Orange Belt
207	Greyhound ** Trailways
208	Trailways ** Vista
209	Greyhound ** Vista
210	Greyhound ** Desert Stage
301	Amtrak Bus ** Green Belt ** Greyhound
302	Amtrak Bus ** Green Tortise ** Greyhound
303	Amtrak Bus ** Greyhound ** Orange Belt
304	Amtrak Bus ** Greyhound ** Trailways
305	Cal Yosemite ** Greyhound ** Via Adventures
306	Cal Yosemite ** Greyhound ** Trailways
307	Greyhound ** Trailways ** Vista
308	Greyhound ** Trailways ** Orange Belt
309	Amtrak Bus ** Greyhound ** Desert Stage
401	Amtrak Bus ** Greyhound ** Trailways ** Amador
402	Amtrak Bus ** Greyhound ** Cal Yosemite ** Via Adventures
403	Amtrak Bus ** Greyhound ** Trailways ** Orange Belt
404	Amtrak Bus ** Greyhound ** Trailways ** Cal Yosemite
501	Amtrak Bus ** Amador ** Green Tortise ** Greyhound ** Trailways

Amtrak Bus ** Amador ** Green Belt ** Green Tortise ** Greyhound ** Trailways

1.7 Map Features

1.7.1.1 Airports

LEGEND THEME NAME	SHAPE FILE	METADATA NAME	Airport Class Defination
Airports	airport	airport	All Airport Classes
Commercial/Primary	airport	airport	Commercial and Primary (Large and Medium hub)
Community Airports	airport	airport	Community Class
Joint Use Airports	airport	airport	Military and Civilian use
Limited Use Airports	airport	airport	Limited Use
Metropolitan Airports	airport	airport	Metropolitan Class
Regional Airports	airport	airport	Regional Class

COVERAGE NAME: AIRPORT

COVERAGE AREA: State

COVERAGE DESCRIPTION:

The AIRPORT coverage is a point coverage representing the 273 airports in California for which Caltrans HQ Aeronautics maintains information.

The AIRPORT coverage was created using the latitude and longitude coordinates for public use airports and special use airports contained in two ASCII files obtained from Aeronautics.

USER NOTES:

Annotation, text stored as a coverage feature, labeling the airport names has been created for this coverage.

VITAL STATISTICS:

Datum:	NAD 83
Projection:	Albers
Units:	Meters
1st Std. Parallel:	34 degrees N
2nd Std. Parallel:	40.5 degrees N
Longitude of Origin:	-120 degrees W
Latitude of Origin:	0 degrees N
False Easting:	0
False Northing:	-4,000,000
Source:	Caltrans HQ Aeronautics
Source Media:	Database files (pubuse.aps and specuse.aps)
Source Projection:	Latitude/Longitude (Geographic)
Source Units:	Degrees, Minutes, Seconds
Source Scale:	
Capture Method:	Generated from Latitude/Longitude Coordinates
Conversion Software:	ARC/INFO rev. 6.1.1
Data Structure:	Vector
ARC/INFO Coverage Type:	Point
ARC/INFO Precision:	Double
ARC/INFO Tolerances:	
Frequency of Updates:	To Be Determined
Data Updated:	March 2003
Update Media:	
Update Method:	
Update Software:	

DATA DICTIONARY:

File name: AIRPORT.PAT
Record length: 160

NOTE: Items common to all point coverages: shape and <coverage>-ID are not described here.

1.7.1.1.1 POINT attribute fields:

COLUMN	ITEM NAME	WIDTH	OUTPUT	TYPE	N.DEC
25	AP_ID	4	4	C	-
29	NAME	45	45	C	-
74	LAT_D	2	2	I	-
76	LAT_M	2	2	I	-
78	LAT_S	2	2	I	-
80	LONG_D	3	3	I	-
83	LONG_M	2	2	I	-
85	LONG_S	2	2	I	-
87	ELEV	4	4	I	-
91	DIST	2	2	I	-
93	CO	3	3	C	-
96	RTE	3	3	I	-
99	PM	4	4	C	-
103	TRAFFIC	6	6	I	-
109	APGERS	8	8	I	-
117	AIRLINES	9	9	C	-
126	ITMS	1	1	I	-
127	ITMS_ID	8	8	C	-
135	GIS-ID	8	8	C	-
143	MAJOR	1	1	I	-
144	CLASS	36	36	C	-

1.7.1.1.2 ITEM DESCRIPTIONS:

AP_ID: Airport unique identifier used for relating to the Caltrans HQ Aeronautics database

NAME: Airport name

LAT_D: Latitude - Degrees

LAT_M: Latitude - Minutes

LAT_S: Latitude - Seconds

LONG_D: Longitude - Degrees

LONG_M: Longitude - Minutes

LONG_S: Longitude - Seconds

ELEV: Elevation of airport (feet above sea level)

DIST: Caltrans district number

CO: Caltrans county abbreviations

RTE: Legislative route number of the nearest highway route
(CURRENTLY THIS ITEMS IN NOT CODED)

PM: Postmile at the nearest highway access location
(CURRENTLY THIS ITEMS IN NOT CODED)

TRAFFIC: Number of takeoffs and landings per year

APGERS: Annual number of passengers

AIRLINES: Type of airlines servicing each airport

M	major airlines
R	regional airlines
C	cargo airlines
I	international airlines
MIL	military

ITMS: Item used to identify an Intermodal Transportation Management System (ITMS) corridor or connector.

ITMS_ID: ID used to relate to the ITMS model.

GIS-ID: An internal ID used by the Caltrans GIS Service Center.

MAJOR: Significant features of the ITMS database.
0 = not major feature
1 = major feature (as per ITMS)

CLASS: Derived from the California Aviation System Plan Inventory Element. Airports are assigned a functional classification. Refer to Inventory Element available from Caltrans Aeronautics Program for further information. Airports are classified as:

Primary-Non Hub Regional
Metropolitan
Regional
Community
Limited Use
Military/NASA

RELATIONAL DATA DESCRIPTION:

The AP_ID item is used as a unique identifier in the Caltrans GIS Service Center and the Caltrans HQ Aeronautics.

DATABASE RELATION:

The AP_ID item can be used for relating to the Caltrans HQ Aeronautics database.

DATA QUALITY ASSESSMENT:

The data for this coverage was obtained from Caltrans HQ Aeronautics Program.

1.7.1.2 Water

LEGEND THEME NAME	SHAPEFILE	METADATA NAME
Water	lake500	lake500

COVERAGE NAME: LAKE500

COVERAGE AREA: Statewide

COVERAGE DESCRIPTION: The 'LAKE500' layer represents the major lake and reservoir bounderies throughout California. The linework for this polygon coverage was derived from a hydrography coverage in the Teale GIS Library. It has been created for possible use as a background layer on any statewide coverages.

VITAL STATISTICS:

Source:	Teale Data Center GIS Lab
Source Units:	Meter
Source Scale:	1:100,000
Conversion Software:	Arc/Info rev. 6.1.1
Data Structure:	Vector
ARC/INFO Coverage Type:	Polygon
ARC/INFO Precision:	Double
Frequency of Updates:	Varies
Data Updated:	September 1995

DATA DICTIONARY:

File name: LAKE500.PAT
Record length: 65

NOTE: Items common to all polygon coverages: AREA, PERIMETER, <coverage>#, and <coverage>-ID are not described here.

1.7.1.2.1 LINE attribute fields:

COLUMN	ITEM NAME	WIDTH	OUTPUT	TYPEN.DEC
25	HUC	8	8	I -
33	PNAME	30	30	C -
63	PNMCD 11	11	C	-

1.7.1.2.2 ITEM DESCRIPTIONS:

HUC: Hydro unit catalog number
PNAME: Primary name
PNMCD: Primary name code

RELATIONAL DATA DESCRIPTION: Currently there are no data relationships established.

DATABASE RELATION: Currently there are no database relationships established.

DATA QUALITY ASSESSMENT: The following are subjective comments regarding this data: The coverage was created from Teale Data Center GIS Lab's HYD500 coverage which is an older basic version of their hydrology coverages and is no longer being actively supported by them. Therefore some of the item names in the data attributes may be modified or are obsolete when compared to the more recent hydrology coverages. Since it was created for possible use as a background for statewide coverages, it may not address the needs of users interested in small areas due to simplification of lake arcs. The

information contained in this coverage layer is as accurate as the data provided by Teale. The lake arcs in this coverage have been selected so as to match as closely as possible the lake linework in the Caltrans State Highway Map. Lake Tahoe was originally an arc segment due to lack of data from the Teale coverage and has since been enclosed. A few of the lakes are outside the California state boundery.

1.7.1.3 Port

LEGEND THEME NAME	SHAPEFILE	METADATA NAME
Ports	port	port

LAYER NAME: PORT

COVERAGE AREA: State

LAYER DESCRIPTION:

The PORT coverage is a point coverage representing information on various public and private ports in California as indicated in California's Major Commercial Ports -1986, by the California Department of Commerce, Office of Economic Research.

The points were located and individually placed in accordance with various port maps summitted by different ports.

USER NOTES:
Annotation, text stored as a coverage feature, labeling the port names has been created for this coverage.

VITAL STATISTICS:

Datum:	NAD 83
Projection:	Albers
Units:	Meters
1st Std. Parallel:	40.5 degrees N
Longitude of Origin:	-120 degrees W
Latitude of Origin:	0 degrees N
False Easting:	0
False Northing:	-4,000,000
Source:	
Source Media:	
Source Projection:	
Source Units:	
Source Scale:	
Capture Method:	Digitized
Conversion Software:	Arc/Info rev. 6.1.1
Data Structure:	Vector
ARC/INFO Coverage Type:	Point
ARC/INFO Precision:	Double
ARC/INFO Tolerances:	
Frequency of Updates:	
Data Updated:	January 1999
Update Media:	
Update Method:	
Update Software:	

DATA DICTIONARY:

File name: PORT.PAT
Record length: 103

NOTE: Items common to all point coverages: AREA, PERIMETER, <coverage>#, and <coverage>-ID are not described here.

1.7.1.3.1 POINT attribute fields:

COLUMN	ITEM NAME	WIDTH	OUTPUT	TYPE	N.DEC
25	P_ID	4	4	C	-
29	NAME	25	25	C	-
54	TST	6	6	I	-
60	CO	3	3	C	-
63	DIST	2	2	I	-
65	ITMS	1	1	I	-
66	ITMS_ID	28	28	C	-
94	GIS_ID	9	9	C	-
103	MAJOR	1	1	I	-

1.7.1.3.2 ITEM DESCRIPTIONS:

P_ID: Port identification number

NAME: Name of port

TST: Thousands of short tons of cargo handled annually

CO: Caltrans county abbreviation

DIST: Caltrans district number

ITMS: Item used to identify an Intermodal Transportation Management System (ITMS) corridor or connector

ITMS_ID: This ID is used to relate to the ITMS model

GIS_ID: An internal ID used by the Caltrans GIS Service Center

MAJOR: Significant features of the ITMS database.
0 = not major feature
1 = major feature (as per ITMS)

RELATIONAL DATA:
Currently there are no data relationships established.

DATABASE RELATION:
Currently there are no database relationships established.

DATA QUALITY ASSESSMENT:

1.7.1.4 Bay

LEGEND THEME NAME	SHAPEFILE	METADATA NAME
Bay	bay	

METADATA UNDER DEVELOPMENT

1.7.1.5 Highway Border Crossings

LEGEND THEME NAME	SHAPEFILE	METADATA NAME
Highway Border Crossings	hwybndpt	

METADATA UNDER DEVELOPMENT

1.7.1.6 Places

LEGEND THEME NAME	SHAPEFILE	METADATA NAME
Places	places	places

COVERAGE NAME: PLACES

COVERAGE AREA: State, District, County

COVERAGE DESCRIPTION:

The PLACES coverage is a point coverage representing 3080 place name locations in California.

USER NOTES:

The PLACES coverage is useful as a mapping feature. The SCENIC item can be used to select place names that appear on the California Scenic Highway Map. The STHWY item can be used in the California State Highway Map application. The HWYMAP item identifies those places used in the official California State Highway map.
Many place name locations have unique Federal Information Processing System (FIPS) codes. Data containing null values for any given attribute is due to lacking source data.
Places with the field 'status' having a null value are not classified by the Highway Systems Engineering Branch.

VITAL STATISTICS:

Datum: NAD 83
Projection: Albers
Units: Meters
1st Std. Parallel: 34 degrees N
2nd Std. Parallel: 40.5 degrees N
Longitude of Origin: -120 degrees W
Latitude of Origin: 0 degrees N
False Easting: 0
False Northing: -4,000,000
Source: USGS Geographic Names Information System (GNIS), 2003 Place Names in California, California Department of Transportation
Source Media: Magnetic tape: digital file in ASCII format
Source Projection: Latitude/Longitude (Geographic)
Source Units: Degrees, Minutes, Seconds
Source Scale:
Capture Method:
Conversion Software: ARC/INFO rev. 5.0.1
Data Structure: Vector
ARC/INFO Coverage Type: Point
ARC/INFO Precision: Single
ARC/INFO Tolerances:
Data Updated: December 2000, December 2003
Update Software: ARC/INFO 7.2.1a, ArcMap 8.3

DATA DICTIONARY:

File name: PLACES.PAT
Record length: 237

NOTE: Items common to all point coverage's: AREA, PERIMETER, <coverage>#, and <coverage>-ID are not described here.

1.7.1.6.1 POLYGON attribute fields:

COLUMN	ITEM NAME	WIDTH	OUTPUT	TYPE	N.DEC
32	DIST	4	10	I	-
36	CO	5	5	C	-
41	NAME	46	46	C	-
87	NAMEUC	40	40	C	-
127	NAME_ALT	33	33	C	-
160	POP1990	9	9	C	-
169	POP2000	9	9	C	-
178	FIPS	4	10	I	-
182	COSEAT	8	8	C	-
190	ELEV	9	9	C	-
199	STATUS	8	8	C	-
207	INCDATE	10	10	C	-
217	STIP	5	5	C	-
222	SCENIC	8	8	C	-
232	STHWY	7	7	C	-
237	HWYMAP	9	9	C	-

1.7.1.6.2 ITEM DESCRIPTIONS:

DIST: Caltrans district number

CO: Caltrans county abbreviation

NAME: Name of the populated places (lowercase)

NAMEUC: Name of the populated places (uppercase)

NAME_ALT: Alternate name

POP1990: The 1990 population figure, per the California Department of Finance
0 = uncoded, information not available

POP2000: The 2000 estimated population figure, per the California Department of Finance. 0 = uncoded, information not available

FIPS: Census code for Small Urban (SUFIP) and Urbanized Areas (URBCODE)

COSEAT: Indicates if populated place is a county seat
0 = Place is not a county seat
1 = Place is a county seat

ELEV: Elevation (feet)
0 = uncoded, information not available

STATUS: Status of place location regarding city incorporation
I = Incorporated city

U = Unincorporated city
D = Place within an incorporated city
Blank = No Status, Place not listed in the Highway Systems Engineering Branch's "2003 Place Names in California" Publication

INCDATE: Date city was incorporated if applicable.

STIP: Places found on the California STIP maps
(CURRENTLY THIS ITEM IS NOT CODED)

SCENIC: Places found on the California Scenic Highway and Trucknet maps
0 = Places that are not found on the California Scenic Highway and Trucknet maps
1 = Places that are found on the California Scenic Highway and Trucknet maps

STHWY: Places found on the California State Highway map Applications
0 = Places that are not found on the California State Highway map Applications
1 = Places that are found on the California State Highway map Applications

HWYMAP: Places found on the Official California State Highway map
0 = Places that are not found on the Official California State Highway map
1 = Places that are found on the Official California State Highway map

RELATIONAL DATA DESCRIPTION:

Currently there are no data relationships established.

DATABASE RELATION:

Currently there are no database relationships established.

DATA QUALITY ASSESSMENT:

Some of the data for the PLACES coverage was supplemented by information from the publication 2003 Place Names in California, California Department of Transportation, Drafting Services, HPMS Instructions for reviewing and updating data items.

UPDATES:

December 2000
Following items added:
NAMEUC – Upper case place name
NAME_ALT – Alternate name, i.e.
Ventura for San Buenaventura
Cucamonga for Rancho Cucamonga
POP1990 – rename of POP item
POP 2000 – new item contains 2000 population data from Dept of Finance

December 2003
No new fields added. Some new places were added to the dataset per the publication 2003 Place Names in California, California Department of Transportation.

1.7.1.7 State Highways (shields)

LEGEND THEME NAME	SHAPEFILE	METADATA NAME
State Highways (shields)	shield	shield

1
COVERAGE NAME: SHIELD
COVERAGE AREA: Statewide, District, County
COVERAGE DESCRIPTION:
The shield coverage is a point coverage representing the location of highway shields for identification and mapping display purposes. The points are generally centered on the highway unless for cartographic enhancement they require an offset.
USER NOTES:
The location of the shields for statewide and district was based on the State Highway Map and District Maps, respectively. The location for the county shield coverages was placed for cartographic purposes. When selecting a statewide, district, or county coverage with the arcinfo shield AML, it is automatically copied to the user's workspace and made available for editing. Moving shields must be done using the application because it calculates the X, Y location. See the README file in the Data Library at /gisdata/applications/shields for more information.
Plotting is accomplished from the arcinfo shield menu, which generates the appropriate highway symbol on each point.
There is no ArcView shield script that duplicates the arcinfo shield application.

VITAL STATISTICS:
Datum: NAD 83
Projection: Albers
Units: Meters
1st Std. Parallel: 34 degrees N
2nd Std. Parallel: 40.5 degrees N
Longitude of Origin: -120 degrees W
Latitude of Origin: 0 degrees N
False Easting: 0
False Northing: -4,000,000
Source:
Source Media:
Source Projection:
Source Units:
Source Scale:
Capture Method:
Conversion Software: Arc/Info rev. 7.03
Data Structure: Vector
ARC/INFO Coverage Type: Point
ARC/INFO Precision: Single
ARC/INFO Tolerances:
Frequency of Updates:
Data Updated: February 1998, January 2002 - Deleted routes 42, 141, 157, 159, 224, 228, 231, and 285.
Update Media:
Update Method:

Update Software:
DATA DICTIONARY:
File name: Shield.pat
Record length: 49
NOTE: Items common to all point coverages: AREA, PERIMETER, <coverage>#, and <coverage>-ID are not described here.

1.7.1.7.1 POINT attribute fields:

COLUMN	ITEM NAME	WIDTH	OUTPUT	TYPE	N.DEC
25	XPOSITION	10	10	I	-
35	YPOSITION	10	10	I	-
45	HIGHWAY	3	3	I	-
48	SHLDTYPE	2	2	I	-

1.7.1.7.2 ITEM DESCRIPTIONS:

XPOSITION: The coordinate of the point in the X direction in meters.
YPOSITION: The coordinate of the point in the Y direction in meters.
HIGHWAY: The route number from item RTE of a road coverage.
SHLDTYPE: A unique identifier for the type of shield.
1 = INTERSTATE
2 = US
3 = STATE
4 = BUSINESS
RELATIONAL DATA DESCRIPTION:
Currently there are no data relationships established.
DATABASE RELATION:
Currently there are no database relationships established.
DATA QUALITY ASSESSMENT:

1.7.1.8 Rail

LEGEND THEME NAME	SHAPEFILE	METADATA NAME
Railroads	rail	Rail

COVERAGE NAME: RAIL

COVERAGE AREA: Statewide, District

COVERAGE DESCRIPTION: The RAIL coverage is an line coverage representing information on all known railroad lines in California.

USER NOTES: Railroad lines within particular counties or districts can be identified by their county (CO) and district (DIST) arc attribute items.

VITAL STATISTICS:

Source: Various transit books, maps, and guides
Source Media: USGS DLG and Caltrans County Map Series

Source Projection:	Universal Transverse Mercator Zone 10/11
Source Units:	Meters
Source Scale:	1:100,000 and 1:24,0000
Capture Method:	Existing DLG linework and digitized
Conversion Software:	ARC/INFO rev. 6.0
Data Structure:	Vector
ARC/INFO Coverage Type:	Arc
ARC/INFO Precision:	Double
Frequency of Updates:	Varies
Data Updated:	June 1993

COVERAGE NAME: RAIL
COVERAGE AREA: State, District
COVERAGE DESCRIPTION:
The RAIL coverage is a line coverage representing information on all heavy railroad lines, Amtrak passenger lines and commuter rail lines in California.
USER NOTES:
Previous versions of this coverage included a related table with rail operators. The table has been eliminated and a new field (OPERATORS) has been added to the attribute table. A SERVICES field has been added to indicate the name of a passenger line or freight service that on any rail line.
VITAL STATISTICS:
Datum: NAD 83
Projection: Albers
Units: Meters
1st Std. Parallel: 34 degrees N
2nd Std. Parallel: 40.5 degrees N
Longitude of Origin: -120 degrees W
Latitude of Origin: 0 degrees N
False Easting: 0
False Northing: -4,000,000
Source: Various transit books, maps, and guides
Source Media: USGS DLG and Caltrans County Map Series
Source Projection: Universal Transverse Mercator Zone 10/11
Source Units: Meters
Source Scale: 1:100,000 and 1:24,0000
Capture Method: Existing DLG linework and digitized
Conversion Software: ARC/INFO rev. 6.0
Data Structure: Vector
ARC/INFO Coverage Type: Arc
ARC/INFO Precision: Double
ARC/INFO Tolerances:
Frequency of Updates: Varies
Data Updated: March 18, 2003 (Operator, Services, Transportee fields added.)
Update Media: Web sites (UP, BNSF, Amtrak, Caltrain, etc.)
Update Method: Information from Caltrans Rail Program, comparison to NTAD rail and Volpe rail coverages to update ownership and extract operators
Update Software: ARC/INFO rev. 7.2.1 and ArcMap 8.1

DATA DICTIONARY:
File name: RAIL.AAT
Record length: 266
NOTE: Items which are common to all line coverages: FNODE#, TNODE#, LPOLY#, RPOLY#, LENGTH, <coverage>#, and <coverage>-ID are not described here.

1.7.1.8.1 LINE attribute fields:

COLUMN	ITEM NAME	WIDTH	OUTPUT	TYPE	N.DEC
29	CO	3	3	C	-

32	DIST	2	2	I	-
34	ROWOWNER	12	12	C	-
46	OPERATORS	25	25	C	-
71	SERVICES	189	189	C	-
260	RRCLASS	2	2	I	-
262	TRKTYPE	2	2	I	-
264	STATUS	1	1	I	-
265	PRAIL	1	1	I	-
266	COMM	1	1	I	-

1.7.1.8.2 ITEM DESCRIPTIONS:

CO: Caltrans county abbreviations
DIST: Caltrans district number
ROWOWNER: Owner of the railroad right-of-way.
(Please refer to "ROWOWNER/OPERATORS CODES")
OPERATORS: Operator or operators of the passenger rail/freight operations.
SERVICES: The individual passenger line or freight service. The services are coded according a hierarchy:
Interstate: California Zephyr, Coast Starlight, Southwest Chief, Sunset Limited
State: Capitol Corridor, Pacific Surfliner, San Joaquin
Regional: ACE, Caltrain, Coaster, BART lines, Metrolink lines

ROWOWNER	OPERATORS	SERVICES
UP	AMTRAK--SCRA-UP -Coast Starlight-	Sunset Limited--Pacific Surfliner--Antelope Valley Line-Riverside Line-Ventura County Line-Via Fullerton

The single dash separates the individual Services and the double dashes indicate when Operators/Services changes. See example above:
UP owns the right-of-way. AMTRAK is the operator for the Coast Starlight and Sunset Limited. SCRA (Metrolink) is the operator for the Antelope Valley Line, Riverside Line, Ventura County Line, and Via Fullerton.

In cases where freight is indicated in the Operators field, the freight operator should always be listed last and the word "freight" should always be listed last in lower case in the Services field.
RRCLASS: Numeric code identifying railroad class
1 = Mainline railroad
2 = Shortline railroad
3 = Terminal or Belt Line railroad
5 = Military railroad
6 = Private railroad
7 = RT Line
8 = Unknown
TRKTYPE: Numeric code used to identify track types
1 = Principal through tracks
2 = Secondary or Branch line tracks
3 = Spurs
4 = Sidings
5 = Railroad Yard and/or Depot Tracks
7 = Principle Commuter
8 = Abandoned/Unknown
STATUS: Numeric code used to identify the status of a particular railroad line
1 = Active
2 = Under construction
3 = Proposed
8 = Abandoned
PRAIL: Indicates if passenger rail line operates on the railroad line
0 = No passenger rail operations

1 = Passenger rail operations
COMM: Identifies any railroad line which carries commuter passenger rail traffic
0 = Railroad lines not used by commuter passenger rail systems
1 = Railroad lines used by commuter passenger rail systems
RELATIONAL DATA DESCRIPTION: None.
DATABASE RELATION:
Currently there are no database relationships established.
DATA QUALITY ASSESSMENT:
All spatial and tabular data are current as of 2002. Recent updates account for freight rail mergers, relinquishments, and abandoned lines. Rail operators were obtained by comparing the coverage to NTAD 2000 and using the Transfer command to transfer these attributes to principle tracks.
Sidings, spurs, and depot tracks may not have the most accurate indication of operators. Check the adjacent principle tracks for this information.
ROWOWNER and OPERATOR CODES

ABL Alameda Belt Line
ALR Almanor Railroad Company
AMC Amador Central Railroad
AMR Arcata & Mad River Railroad
AMTRAK Amtrak
AZRC Arizona and California Railroad Company
BAER Bay Area Electric Railway
BART Bay Area Rapid Transit
BNSF Burlington Northern Santa Fe
CCT Central California Traction
CFNR California Northern
CORP Central Oregon and Pacific Railroad
CPLT Camino, Placerville & Lake Tahoe Railroad
CTRN Caltrain commuter rail. Rail lines governed by Peninsula Joint Rail Authority.
CWR California Western Railroad
EMR Eagle Mountain Railroad
GOVT US Government/Military Railroad
HBL Harbor Belt Line RR
HIC Holton Inter-City Railway
LAJ Los Angeles Junction Railway
LCR Lake County Railroad
LOCK (former SP Kentucky House Branch, now abandoned)
LUM Lumber Railroad
MCR McCloud River Railroad
MET Modesto-Empire Traction
MNRR Monolith Railroad
NCTD North County Transportation District. Select this operator to display the Coaster line.
NVRR Napa Valley RR
NWP Northwestern Pacific
OTR Oakland Terminal Railroad
PSR Petaluma & Santa Rosa Railroad
PVTX Privately Owned.
QRR Quincy Railroad
RBR Richmond Belt Railway
RCBT Roaring Camp & Big Trees Railroad
SCBG Santa Cruz, Big Tree & Pacific RR
SCRA Southern California Regional Rail Authority. Governs Metrolink commuter rail lines.
SDAE San Diego & Arizona Eastern

SDIY San Diego & Imperial Valley. Owns rail lines from El Cajon west to San Diego, then south to border. San Diego Trolley uses a portion of these lines. Freight is transported at night.
SDNR San Diego Northern Railroad (Owned and operated by the NCTD. NCTD operates the Coaster line between Oceanside and San Diego Depot, and also operates San Diego Trolley.)

SERA Sierra Railroad Company
SFBR San Francisco Belt Railroad
SJVR San Joaquin Valley Railroad
SMV Santa Maria Valley Railroad
SN Sacramento Northern Railroad
SP (abandoned tracks from Southern Pacific Transportation Company)
SPBR Stockton Public Belt
STE Stockton Terminal & Eastern Railroad
TRC Trona Railway Co.
TS Tidewater Southern (abandoned)
TVRR Tulare Valley Railroad
UP Union Pacific Railroad
VCTC Ventura County Transportation Commission owns these rail lines but has not started commuter operations on these lines.
VCY Ventura County Railroad
VER Visalia Electric Railroad
YSLR Yolo Short Line RR
YW Yreka Western RR Company
XXXX Unknown (abandoned)

1.7.1.9 Rail Stations

LEGEND THEME NAME	SHAPEFILE	METADATA NAME
Railroad Stations	rr_sta	rr_sta

1
COVERAGE NAME: RR_STA
COVERAGE AREA: Statewide, District
COVERAGE DESCRIPTION:
The RR_STA coverage is a point coverage representing information on all passenger rail stations in California.
USER NOTES:
Passenger rail stations within particular counties or districts can be identified by their county (CO) and district (DIST) point attribute items.
VITAL STATISTICS:
Datum: NAD 83
Projection: Albers
Units: Meters
1st Std. Parallel: 34 degrees N
2nd Std. Parallel: 40.5 degrees N
Longitude of Origin: -120 degrees W
Latitude of Origin: 0 degrees N
False Easting: 0
False Northing: -4,000,000
Source: Various transit books, maps, and guides
Source Media: Caltrans County Map Series
Source Projection: Universal Transverse Mercator Zone 10/11
Source Units: Meters
Source Scale: 1:100,000 and 1:24,0000
Capture Method: Digitized
Conversion Software: ARC/INFO rev. 6.0
Data Structure: Vector
ARC/INFO Coverage Type: Point

ARC/INFO Precision: Double
ARC/INFO Tolerances:
Frequency of Updates: Varies
Data Updated: February 13, 2002 (Auburn Station added.) July 29, 2002 (Several new stations added.)
Update Media:
Update Method: Placement using GDT address matching, SPOT images and FUNC.
Update Software: ARC/INFO rev 8.01

DATA DICTIONARY:

File name: RR_STA.PAT
Record length: 108
NOTE: Items common to all point coverages: AREA, PERIMETER, <coverage>#, and <coverage>-ID are not described here.

1.7.1.9.1 LINE attribute fields:

COLUMN	ITEM NAME	WIDTH	OUTPUT	TYPE	N.DEC
25	CO	3	3	C	-
28	DIST	2	2	I	-
30	STATION	30	30	C	-
60	STATION_ID	4	4	I	-
64	USER	4	4	C	-
68	STATUS	1	1	I	-
69	ITMS	1	1	I	-
70	ITMS_ID	28	28	C	-
98	GIS_ID	9	9	C	-
107	STA_TYPE	2	2	I	-
109	GIS_ID	1	1	I	-

1.7.1.9.2 ITEM DESCRIPTIONS:

CO: Caltrans county abbreviations
DIST: Caltrans district number
STATION: Name of passenger rail station
USER: Alpha code which identifies the passenger rail system which uses the station
- AMTK: Amtrak Railroad
- BART: Bay Area Transit System
- CTRN: CalTrain
- LART: Los Angeles Metro (Light Rail)
- MUNI: San Francisco Municipal Railroad
- RTM: Sacramento RT Metro
- SDT: San Diego Trolley
- SCRA: Southern California Regional Rail Authority (Metrolink)
- SCCT: Santa Clara County Transit
- SKNK: Skunk Train

STATUS: Numeric code used to identify the status of the station
1 = Active
2 = Adopted / Under construction

3 = Proposed
ITMS: Item used to identify an Intermodal Transportation Management System (ITMS) corridor or connector
ITMS_ID: ID used to relate to the ITMS model
STA_TYPE: Numeric code identifying station type.
MAJOR: Significant features of the ITMS database.
0 = not major feature
1 = major feature (as per ITMS)
ICR_STN: Innercity rail station.
COM_STN: Commuter rail station.
URAIL_STN: Urban rail station.
RELATIONAL DATA DESCRIPTION:
None.
DATABASE RELATION:
Currently there are not database relationships established.
DATA QUALITY ASSESSMENT: