



TELE ATLAS NORTH AMERICA, INC.
NON-PERPETUAL ENDUSER LICENSE AGREEMENT

Company Name: New Jersey Department of Law and Public Safety Telephone No.: 609-984-2398
Contact Name: Maria Cardiellios , CIO Fax. No: 609-292-8268
Address: 25 Market St., PO BOX 081
City: Trenton State: NJ ZIP: 08625

By executing the Non-Perpetual Enduser Agreement (“the Agreement”), Tele Atlas North America, Inc. (“TANA”) and the customer named herein (“Licensee”) agree to the following terms:

1. **Grant of License** TANA hereby grants to Licensee and Licensee hereby accepts,
 - (a) a non-transferable, non-exclusive, non-perpetual license to use, for its own internal purposes the Product(s) for the number of users as described in the attached Attachment A. A user is defined as anyone or any device having access to the data, even if only for occasional use.
 - (b) a non-transferable, non-exclusive, non-perpetual Internet license for use of the Product. Internet usage of data is permitted for “Web Locator” applications, where the general public may enter a single address in order to locate themselves, or the nearest object of interest. Within these applications, data and any derived results may be published as bitmaps with the appropriate copyright information. Users of Licensee’s website will have the ability to enter a single address, or telephone number to locate Licensee’s customer’s service or business locations. TANA’s latitude and longitude coordinates, address range, ZIP+4 and Census attribute data shall be protected and shall not be extractable. No other product generated from the Product shall be disclosed, licensed or sold, in whole or in part, to any third party, without TANA’s express written permission. a non-transferable, non-exclusive, non-perpetual license (“License”) to use, for its own internal purposes the Product(s) as described in Attachment A.

2. **Limitations to License** Licensee is granted a license to use the Product(s) provided, or any derivation thereof, solely for the internal purposes of the Licensee at the site identified above. No part of the Product(s), or any derivation thereof, shall be disclosed to third parties, used for the benefit of third parties or used in an Internet, Automatic Vehicle Location (AVL) or Location-Based Services application other than as specifically set forth in this Agreement. Further, the use of Product(s) or their derivatives is strictly prohibited in an On-board Navigation System. For the purposes of this Agreement, an "On-board Navigation System" includes one or more of the following components installed in or on a vehicle: (a) a storage medium to store at least a portion of the Product(s) or a certain database derived therefrom, (b) a gyroscope, or (c) a device to detect the wheel rotation of a vehicle.

Any product or services generated from the Product(s) shall not be disclosed, licensed or sold, in whole or in part, to any third party, without TANA’s express written permission. Licensee shall not in any case, disclose, license, or sell reports, products or services where such will be used or incorporated into products or services that actually or potentially compete with products, data or services of TANA.

3. **Copying the Product or Documentation** Other than copies for backup and archival purposes, Licensee shall make no copies of the Product, or any part thereof, without the express written consent of TANA. Other than copies for internal use only, Licensee shall not distribute copies of the Documentation, or any part thereof, without the express written consent of TANA. Documentation shall be defined as any information about the Product distributed with the Product, including but not limited to User Guides, Release Notes, metadata, or derivatives. All copies made shall remain the property of TANA under the terms of this Agreement.

Licensee acknowledges the valuable property rights of TANA in the Product and Documentation. All copies of any media containing the Product or Documentation or parts thereof shall have the following notice:

“NOTICE
© 200_ Tele Atlas North America, Inc. / Geographic Data Technology, Inc. All rights reserved.
This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. / Geographic Data Technology, Inc.
The use of this material is subject to the terms of a License Agreement. You will be held liable for any unauthorized copying or disclosure of this material.”

4. **Proprietary Rights and Confidentiality** The Product(s) is and contains the copyrighted and trade secret property of TANA. TANA retains all rights not expressly granted to Licensee. Licensee agrees not to extract data from or publish or to allow any third party to extract data from or publish any part of the Product(s) without the prior written consent of TANA. Licensee shall not disclose the terms of or activities contemplated by this Agreement without the prior written approval of TANA. Licensee acknowledges that the Product(s) and any other information disclosed by TANA to Licensee in conjunction with the Product(s) is secret and of substantial value to TANA which value may be lost if the secrecy of such information is not maintained. Licensee agrees to exercise no less than the same degree of care that it exercises, or in the observance of reasonable care should exercise, with respect to its own confidential and proprietary information of equal importance to it. The provisions of this section 4 shall survive the expiration and termination of this Agreement.

5. **Title** Title to the Product(s) remains with TANA. Licensee shall only have the rights expressly granted under section 1 above.

6. **Warranties** TANA WARRANTS THAT IT OWNS OR HAS THE FULL RIGHT AND AUTHORITY TO LICENSE THE PRODUCT. EXCEPT AS EXPRESSLY STATED IN THIS AGREEMENT, TANA DISCLAIMS ALL OTHER EXPRESS OR IMPLIED WARRANTIES REGARDING THE PRODUCT, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY, NON-INFRINGEMENT AND FITNESS FOR A PARTICULAR PURPOSE. LICENSEE'S SOLE AND EXCLUSIVE REMEDY AND TANA'S ENTIRE LIABILITY UNDER THIS LIMITED WARRANTY WILL BE, AT TANA'S OPTION TO USE REASONABLE EFFORTS TO BRING THE PRODUCT INTO COMPLIANCE WITH THE WARRANTY OR IF THAT OPTION IS NOT COMMERCIALY REASONABLE, TO TERMINATE THIS AGREEMENT AND REFUND THE APPLICABLE PORTION OF THE FEES PAID WITH RESPECT TO SUCH NON-CONFORMING PRODUCT.

7. **License Fee** Licensee shall pay TANA the License Fee(s) as set forth in Attachment A for the use of the Product(s) for the term noted therein. All fees under this Agreement are payable within thirty (30) days from receipt of billing. Fees outstanding more than thirty (30) days from their due date are subject to a two percent (2%) per month late fee charge. TANA withholds the right to not ship Product(s) for non-payment of associated fees.

8. **Term of Agreement.** The term of this Agreement is for three (3) years ("Initial Term"). This Agreement shall continue thereafter for successive one (1) year renewal periods (each a "Renewal Term"; collectively "the Term") until either party gives written notice no less than thirty (30) days prior to the end of the then current Term that it elects not to renew this Agreement.

9. **Termination** This Agreement shall be terminated at (1) the end of the then current Term, or (2) in the event of a material breach of this Agreement by Licensee or TANA. Upon any termination of this Agreement, Licensee shall: (a) immediately return to TANA or destroy all copies of the Product(s) in its possession; (b) cease all use of the Product(s) or any derivation thereof; and (c) if requested, provide TANA with an affidavit signed by an officer attesting that the terms of this Termination clause have been met. In the event that this Agreement is terminated for any reason other than TANA's material breach of this Agreement, Licensee shall pay to TANA, within ten (10) days after the date of such termination, an amount equal to the License Fees as set forth in Attachment A for the remainder of the Term. Material Breach shall not include non-appropriation of state funds for this Agreement.

10. **Inspection Rights** During the one (1) year period after this Agreement has been terminated pursuant to Article 8 hereof, TANA shall have the right to inspect the Licensee's computer systems to confirm compliance with Section 8 hereof upon reasonable prior notice to Licensee.

11. **Sales and Use Taxes** Licensee shall be solely responsible for any sales or use taxes which may be levied as a result of this Agreement.

12. **Compliance with United States Export Control Laws and Regulations** TANA and the Product(s) are subject to regulation by United States government agencies, which prohibit export or diversion of the Product(s), information about the Product(s), and derivatives of the Product(s) to certain countries and certain persons. Regardless of any disclosure made by Licensee to TANA, and in consideration of TANA entering into this Agreement, Licensee represents and warrants that Licensee will not export in any manner, either directly or indirectly, any of the Product(s) or derivatives of the product(s) without first obtaining all necessary approvals from appropriate United States government agencies. Licensee acknowledges that regulation of exports is in continuous modification by the United States Congress and administrative agencies, and agree to complete all documents and to meet all requirements arising out of such modifications.

13. **U.S. Government License Rights** Any software, documentation and/or data delivered hereunder is subject to the term of the License Agreement. In no event shall the Government acquire greater than RESTRICTED/LIMITED RIGHTS. At a minimum, use, duplication, or disclosure by the Government is subject to

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restrictions as set forth in FAR §52.227-14 Alternates I, II and III (JUN 1987); FAR §52.227-19 (JUN 1987) and/or FAR §12.211/12.212 (Commercial Technical Data/Computer Software); and DFARS §252.227-7015 (NOV 1995) (Technical Data) and/or DFARS §227.7202 (Computer Software) as applicable.

14. **Support and Maintenance** TANA shall support the Product(s) for three (3) years after the date of release. TANA shall use its best efforts to (i) promptly correct major defects in the Product(s), and (ii) correct minor or ordinary defects by the next general commercial release of the Product(s).

15. **Replacement Policy** TANA will replace defective or unreadable media at no charge provided TANA is notified within thirty (30) days of the original invoice date. Replacements requested after this time will be subject to a fee, not to exceed fifteen percent (15%) of original invoice.

16. **Publicity.** If either party wishes to issue a press release or engage in marketing activities in connection with the activities contemplated in this Agreement, such releases will be subject to prior review and written approval of the other party, which shall not be unduly withheld.

17. **Governing Law** This Agreement shall be construed and interpreted in accordance with the laws of the State of New Jersey.

18. **Counterparts** This Agreement may be executed in any number of duplicate counterparts, each of which shall be deemed an original, and all of which together shall constitute one and the same instrument. The parties agree and acknowledge that a facsimile signature hereto, when delivered by a party to any other party, shall be deemed to be an original signature for purposes of determining the enforceability of this Agreement, effective to make the delivering party subject to the liabilities and bound to the performance of all the obligations, terms and provisions contained in this Agreement.

19. **Notices.** All notices and communications required or permitted under this Agreement shall be in writing and shall be sent by mail or by facsimile transmission ("Fax") with confirmed answer back, to the parties at their respective addresses set forth below or to such other address as either party may from time to time specify by notice to the other given as provided in this Article:

If to TANA:
Tele Atlas North America, Inc.
11 Lafayette Street
Lebanon, NH 03766-1445
Attention: Contracts Department
Phone: 603/643-0330
Fax: 603/643-6808

If to Licensee:
New Jersey Department of Law and Public Safety
25 Market St., PO BOX 081
Trenton, NJ 08611
Attention: Maria Cardiellios , CIO
Phone: 609-984-2398
Fax: 609-292-8268
E-mail: cio@lps.state.nj.us

Notice shall be effective upon receipt.

20. **Effective Date** The Effective Date of this Agreement is November 11, 2004.

TANA: Tele Atlas North America, Inc.

Licensee: New Jersey Department of Law and Public Safety

[duly authorized]
Jay Benson

(print or type name)
Vice President, Business Planning

title

date

[duly authorized]

(print or type name)

title

date

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Attachment A

This attachment details the pricing and update schedule for a license agreement pertaining to TANA's nationwide geographic databases listed below. This is an Enterprise License for unlimited internal User(s). Use of the Product(s) is allowed by all employees of, and contractors for, State Agencies, Municipalities, two Port Authorities (NY/NJ and Delaware River) and all political subdivisions of the State. A User is defined as anyone or any device having access to the data, even if only for occasional use. Refer to the license agreement for limitations on use. All product(s) will be delivered on CD-ROM media.

Product(s)

Dynamap[®]/Transportation, commencing with version 6.3, State of New Jersey, ArcSDE[®] format, tiled by state and county, quarterly updates (total of four (4) shipments per year) with a one county buffer in surrounding States of Pennsylvania, New York and Delaware.

**See Attachment B for ArcSDE deliverable details.*

Dynamap/Transportation, commencing with version 6.2, State of New Jersey, ArcView[®] format, tiled by county, quarterly updates (total of four (4) shipments per year) with a one county buffer in surrounding States of Pennsylvania, New York and Delaware.

Dynamap/Transportation Data Pack, Route Server format, most current version, updates as available (minimum one (1) per year).

Annual License Fee

Licensee will pay an Annual License Fee of Four Hundred Thirteen Thousand Five Hundred Dollars (\$413,500.00) for the right to utilize the Product within the terms and conditions of this Agreement for each year the agreement is in effect.

This is not a perpetual license. For each year Licensee chooses to continue the use of the Product(s), Licensee is obligated to pay TANA the Annual License Fee of Four Hundred Thirteen Thousand Five Hundred Dollars (\$413,500.00) as detailed above. Licensee must provide TANA with a Purchase Order by the Anniversary Date of the Agreement in order for TANA to authorize delivery of that year's update of the Product. Upon shipment of the Product, TANA will invoice Licensee for the Annual License Fee.

Payment

TANA will invoice Licensee for the Year One Annual License Fee of Four Hundred Thirteen Thousand Five Hundred Dollars (\$413,500.00) upon TANA's initial shipment of Product(s) with payment due Net 30.

In subsequent years, TANA will invoice Licensee for the Annual License Fee of Four Hundred Thirteen Thousand Five Hundred Dollars (\$413,500.00) upon that year's initial shipment of the Product(s) and receipt of an authorized Purchase Order. Payment is due Net 30.

Delivery

In Year One, TANA will ship the initial delivery of the Dynamap/Transportation Product in ArcSDE format within thirty (30) business days of TANA's receipt of the executed Agreement and Purchase Order. TANA will ship the initial delivery of the Dynamap/Transportation Product in ArcView format and the Dynamap/Transportation Data Pack Product in Route Server format within seven to ten (7-10) business days of TANA's receipt of the executed Agreement and Purchase Order. Quarterly updates of the Product(s) will be delivered according to TANA's commercial Product(s) release schedule.

Note: This pricing offer is valid provided the Agreement is executed by December 15, 2004.

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Attachment BScope of Work

TANA shall create and deliver an ArcSDE® shipment that will contain ArcSDE-loadable data files, data loading tools and documentation for the *Licensed Data Set* (as described below) built for the specified *Operating Environment* according to the stated *Delivery Schedule*.

Licensed Data Set

- Dynamap®/Transportation, commencing with version 6.3, State of New Jersey and the sixteen (16) surrounding counties in DE, NY and PA, NAD 83, scripted to load into New Jersey State Plane (ft) projection, ArcSDE-loadable format.

Surrounding Counties:

Delaware: Kent, New Castle and Sussex

Pennsylvania: Bucks, Delaware, Monroe, Northampton, Philadelphia and Pike

New York: Queens, Bronx, Kings, New York, Orange, Richmond, Rockland and Westchester

See Exhibit A for a detailed description of the ArcSDE Dataset Specifications, including details of layers and individual fields. Layer summaries and record layout are subject to change due to product enhancements. TANA will notify Licensee prior to the shipment of any product enhancements.

Operating Environment

Operating Systems:	AIX 5.1 and Windows 2000
RDBMS:	Oracle 8.1.7
ArcSDE Version:	ArcSDE 8.3

TANA will attempt to accommodate changes to the Licensee's operating environment provided the environment upgrade is to a supported combination.

Consultative Services Option

TANA is available to provide additional ArcSDE-related consultative services throughout this project, including:

- Participation in the system design.
- Geocoding and ArcSDE conversion of Licensee or third-party "point" (addressed) data. (Customer lists or preferred service centers, for example.)
- Creation of custom / derived ArcSDE layers. Examples include: candidate locations for highway shields, pre-calculated map annotation or optimized drawing (multi-part / "turbo") layers.
- ArcSDE conversion of other Licensee or third-party data (point, line or polygon)
- On-site support as the system is first loaded.

These consultative services must be requested in writing, including a valid purchase order or other means to cover the cost. The dates and scope of the consulting work will be scheduled at the earliest mutual convenience of both Licensee and TANA. All hours worked as optional consulting services are to be covered under the terms of this agreement. The rate for work performed at TANA is One Thousand Two Hundred Dollars (\$1,200.00) per day, one (1) day minimum.

The rate for on-site support is One Thousand Two Hundred Dollars (\$1,200.00) per day (2) two day minimum, plus travel expenses. Travel expenses include transportation, meals and lodging, but excludes the time spent traveling between TANA and Licensee's site. Effort will be made to keep travel expenses to a reasonable minimum, following TANA's standard travel policies and procedures.

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Licensee Responsibilities

Installation, configuration, licensing and administration of ArcSDE and the relational database will be the responsibility of Licensee. Execution of the data loading procedure will be carried out at Licensee's site, with on-site assistance available from TANA personnel on a time and materials basis. TANA will fully support its *ArcSDE Loading Tools* (software and scripts), as described below, to perform the data load.

ArcSDE Loading Tools

The following tools are used at a customer site to load data into the target ArcSDE database (sde83load), and view the contents of a Compressed ArcSDE-loadable File (sdeinfo). The ArcSDE data files shipped to a client are always created with the file extension of ".sde". These files use a TANA-developed format to store compressed ArcSDE-loadable data. Currently, a ".sde" file can only contain only one unique layer of data.

This is a brief overview of the TANA/ArcSDE programs. Complete documentation will be delivered along with each of these tools, explaining their function and the command-line options in greater detail. When performing the normal initial load of the data, it will not be necessary to understand the working of each of these tools. A set of scripts will be included with each data delivery that will (as automatically as is practical):

- Create the initial ArcSDE business table (attribute) files
- Create the ArcSDE layers
- Load the data from the ".sde" files into the ArcSDE database

sde83load

The sde83load tool is used to load any ".sde" file into an ArcSDE layer. Destination layer attributes must match source layer attributes unless (selective attribute loading, with optional renaming) is specified. Transactions stored in a ".sde" file can be deleted as well as feature data, allowing a layer to be updated without having to reload it from scratch. Transactional update files must be specially prepared by TANA. Typing the command "sde83load" with no arguments, will cause it to display detailed usage instructions on the screen.

sdeinfo

The sdeinfo tool is used to display information stored in an ".sde" file. The minimum information displayed is the content of the file header. Command line options allow you to display additional data in the file to whatever level of detail is necessary. Typing the command "sdeinfo" with no arguments, will cause it to display detailed usage instructions on the screen.

Exhibit A to Attachment B**ArcSDE® Dataset Specifications Including Details of Layers & Individual Fields**

This is a description of the ArcSDE dataset, layer parameters and attribute table column definitions for the data available to be supplied in TANA's proprietary compressed ArcSDE-loadable format. The TANA-written loading tool, "sde*load", must be used to load data from these files into ArcSDE.

In the description below, attributes are listed by table column heading and data type. Not all attributes contain a value. Each attribute that has null or no value in the source will have its SQL data indicator set to "no value". The loading utility has the ability to select particular attributes to load, and optionally to specify a different name for the attribute in the RDBMS "business" table.

All ArcSDE attribute tables, or "business tables" have a spatial-enabling column added which is maintained by ArcSDE. This column is called "BUS_FID" and it is accessible through the ArcSDE API.

Note that all of the TANA attributes will be included in the shipment to the Licensee. The "sde83load" tool and the associated scripts and control files can be easily re-configured to change which attributes are loaded (any or all of them), and what the names are. This specification follows TANA standards for ArcSDE layers, field names and the general configuration of both the RDBMS and ArcSDE. Therefore, it minimizes the time required to prepare and ship the data from TANA, and the time to load the target systems. The resulting dataset will also match the current standards for transactional updates to the street data. Transaction files are available as often as monthly, and also quarterly. The transactions are applied using the same TANA tools as the initial system build, without the down time necessary if one were reloading the ArcSDE street data from scratch. For ease of future system maintenance, including transactional updates, it is recommended that the TANA names be preserved, when possible.

Dataset Parameters

* NOTE: TANA's ArcSDE-loadable data files are provided in NAD83, decimal degrees (lat/lon), but the loading utility can be used to project "on-the-fly" to a New Jersey State Plane coordinate system (except as noted in the ArcSDE Layer Summary). Scripts/control files will be provided for the following:

FALSE ORIGIN:	-2000000, -1000000
SYSTEM UNITS:	10
DATUM:	NAD83
COORDREF ID:	102711 (PE_PCS_NAD_1983_NJ_FT)
PROJECTION:	Transverse_Mercator
LATITUDE OF ORIGIN:	38.833333
CENTRAL MERIDIAN:	-74.5
FALSE EASTING:	492125
FALSE NORTHING:	0
SCALE FACTOR:	0.9999
UNITS:	FEET (U.S.)

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ArcSDE Layer Summary

<u>Layer Contains</u>	<u>Business Table Name</u>
Highway	HIGHWAY
Street	STREET
Tolls (Table Only)	TOLL
Railroad	RAILROAD
Linear Water	LINEAR_WATER
Turn Restrictions	TURN_RESTRICTION
Maneuvers	MANEUVER
Placeholder	PLACEHOLDER
Exits	EXITS
Recreation Area	RECREATION_AREA
Transportation Terminal	TRANSPORTATION_TERMINAL
Major Retail Center	RETAIL_CENTER
Institution	INSTITUTION
Postal Code Inventory	POSTAL_INVENTORY
County/CD Inventory	COUNTY_INVENTORY
Populated Locality Inventory	POPULATED_INVENTORY
State/Province Inventory	STATE_INVENTORY
Airport	AIRPORT
Large Area Landmark	AREA_LANDMARK
Park	PARK
Major Water	MAJOR_WATER
Water Polygon	WATER_POLYGON
Postal Code Boundary	POSTAL_BOUNDARY
County/CD Boundary	COUNTY_BOUNDARY
Place Boundary	PLACE_BOUNDARY
State/Province Boundary	STATE_BOUNDARY
*Nation Boundary	NATION_BOUNDARY

* NOTE: The Nation Boundary layer is provided as a worldwide tile and, as such, will not be projected into the New Jersey State Plane coordinate system. It will instead load into WGS84, geographic projection (decimal degrees).

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Record Layouts

Type Field References

P=Point

L=Simple Line (linestring)

S=Line (spaghetti)

A=Area

C=SE_STRING_TYPE

I=SE_INTEGER_TYPE

D=SE_DOUBLE_TYPE

Highway:

Item Name	Type	Width	Dec.	Description
BUS FID	S	-		Spatial information storage
SEGMENT ID	I	10		Unique NorAm record number
PREFIX	C	2		Street prefix
NAME	C	40		Street name
TYPE	C	6		Street type
SUFFIX	C	2		Feature direction suffix
FCC	C	3		Feature Class Code
ACC	C	1		Artery Classification Code
SHIELD	C	1		"T", "I", "U", "S", "A", or blank
HWY NUM	C	5		#, # with letter, or blank
SEG LEN	D	8	4	Segment length in miles
SPEED	I	3		Speed in miles per hour
ONE WAY	C	2		One-way indicator
F ZLEV	I	2		From node elevation
T ZLEV	I	2		To node elevation
FT COST	D	10	5	From-To impedance in minutes
TF COST	D	10	5	To-From impedance in minutes
FT DIR	C	2		From-To direction
TF DIR	C	2		To-From direction
NAME FLAG	I	3		Name metadata flag

Street:

Item Name	Type	Width	Dec.	Description
BUS FID	L	-		Spatial information storage
DYNAMAP ID	I	10		Unique NorAm record number
L F ADD	C	11		Left from address
L T ADD	C	11		Left to address
R F ADD	C	11		Right from address
R T ADD	C	11		Right to address
PREFIX	C	2		Street prefix
NAME	C	40		Street name
TYPE	C	6		Street type
SUFFIX	C	2		Feature direction suffix
FCC	C	3		Feature Class Code
POSTAL L	C	5		Postal code (ZIP or FSA) left
POSTAL R	C	5		Postal code (ZIP or FSA) right
ACC	C	1		Artery Classification Code
NAME TYPE	C	1		"R" (always PRN for this product)
SHIELD	C	1		"T", "I", "U", "S", "A", or blank
HWY NUM	C	5		#, # with letter, or blank
SEG LEN	D	8	4	Segment length in miles
SPEED	I	3		Speed in miles per hour

ONE WAY	C	2		One-way indicator
F_ZLEV	I	2		From node elevation
T_ZLEV	I	2		To node elevation
FT COST	D	10	6	From-To impedance in minutes
TF COST	D	10	6	To-From impedance in minutes
FT DIR	C	2		From-To direction
TF DIR	C	2		To-From direction
NAME FLAG	I	3		Name metadata flag
ALT1 PREFIX	C	2		Street prefix
ALT1 NAME	C	40		Street name
ALT1 TYPE	C	6		Street type
ALT1 SUFFIX	C	2		Feature direction suffix
ALT1 NAME TYPE	C	1		“G” or blank
ALT1 SHIELD	C	1		“T”, “I”, “U”, “S”, “A”, or blank
ALT1 HWY NUM	C	5		#, # with letter, or blank
ALT1 FT DIR	C	2		From To direction
ALT1 TF DIR	C	2		To From direction
ALT1 NAME FLAG	I	3		Name metadata flag
ALT2 PREFIX	C	2		Street prefix
ALT2 NAME	C	40		Street name
ALT2 TYPE	C	6		Street type
ALT2 SUFFIX	C	2		Feature direction suffix
ALT2 NAME TYPE	C	1		“G” or blank
ALT2 SHIELD	C	1		“T”, “I”, “U”, “S”, “A”, or blank
ALT2 HWY NUM	C	5		#, # with letter, or blank
ALT2 FT DIR	C	2		From To direction
ALT2 TF DIR	C	2		To From direction
ALT2 NAME FLAG	I	3		Name metadata flag
ALT3 PREFIX	C	2		Street prefix
ALT3 NAME	C	40		Street name
ALT3 TYPE	C	6		Street type
ALT3 SUFFIX	C	2		Feature direction suffix
ALT3 NAME TYPE	C	1		“G” or blank
ALT3 SHIELD	C	1		“T”, “I”, “U”, “S”, “A”, or blank
ALT3 HWY NUM	C	5		#, # with letter, or blank
ALT3 FT DIR	C	2		From To direction
ALT3 TF DIR	C	2		To From direction
ALT3 NAME FLAG	I	3		Name metadata flag
ALT4 PREFIX	C	2		Street prefix
ALT4 NAME	C	40		Street name
ALT4 TYPE	C	6		Street type
ALT4 SUFFIX	C	2		Feature direction suffix
ALT4 NAME TYPE	C	1		“G” or blank
ALT4 SHIELD	C	1		“T”, “I”, “U”, “S”, “A”, or blank
ALT4 HWY NUM	C	5		#, # with letter, or blank
ALT4 FT DIR	C	2		From To direction
ALT4 TF DIR	C	2		To From direction
ALT4 NAME FLAG	I	3		Name metadata flag
ALT5 PREFIX	C	2		Street prefix
ALT5 NAME	C	40		Street name
ALT5 TYPE	C	6		Street type
ALT5 SUFFIX	C	2		Feature direction suffix
ALT5 NAME TYPE	C	1		“G” or blank
ALT5 SHIELD	C	1		“T”, “I”, “U”, “S”, “A”, or blank
ALT5 HWY NUM	C	5		#, # with letter, or blank

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ALT5 FT DIR	C	2		From To direction
ALT5 TF DIR	C	2		To From direction
ALT5 NAME FLAG	I	3		Name metadata flag
STATE00 L	C	2		2000 state FIPS left
STATE00 R	C	2		2000 state FIPS right
COUNTY00 L	C	3		2000 county FIPS left
COUNTY00 R	C	3		2000 county FIPS right
MCD00 L	C	5		2000 FIPS MCD/CCD left
MCD00 R	C	5		2000 FIPS MCD/CCD right
PLACE00 L	C	5		2000 FIPS Place left
PLACE00 R	C	5		2000 FIPS Place right

Toll (A table which relates to street features; not a separate ArcSDE layer):

Item Name	Type	Width	Dec.	Description
DYNAMAP ID	I	10		Unique NorAm record number
TOLL	C	1		“Y” = toll

Railroad:

Item Name	Type	Width	Dec.	Description
BUS FID	L	-		Spatial information storage
DYNAMAP ID	I	10		Unique NorAm record number
NAME	C	40		Railroad name
FCC	C	3		Feature Class Code

Linear Water:

Item Name	Type	Width	Dec.	Description
BUS FID	L	-		Spatial information storage
DYNAMAP ID	I	10		Unique NorAm record number
NAME	C	40		Water feature name
FCC	C	3		Feature Class Code

Turn Restriction:

Item Name	Type	Width	Dec.	Description
BUS FID	P	-		Spatial information storage
ANGLE	D	12	3	Turn angle from From ID to To ID
FROM ID	I	10		Dynamap ID for first segment
TO ID	I	10		Dynamap ID for second segment
COST	D	8	5	“-1” if turn is restricted
MAN ID	I	10		Unique Permanent Maneuver ID
LONGITUDE	D	11	6	Longitude
LATITUDE	D	10	6	Latitude

Maneuver:

Item Name	Type	Width	Dec.	Description
BUS FID	P	-		Spatial information storage
MAN_ID	I	10		Unique Permanent Maneuver ID
SEQUENCE	I	1		Sequence # of maneuver record
MAN_TYPE	C	1		Maneuver Type
FROM_ID	I	10		From Dynamap_ID

TANA _____

Licensee _____

FROMID_END	C	1		“T” or “F” indicating end of From_ID
ANGLE	D	12	3	Turn angle from From_ID to To_ID
COST	D	8	5	Restricted = “-1”
HOO	C	100		Hours of Operation (GDF)
TO_ID	I	10		To/Destination Dynamap_ID
VIA1	I	10		Via Dynamap_ID 1
VIA2	I	10		Via Dynamap_ID 2
VIA3	I	10		Via Dynamap_ID 3
VIA4	I	10		Via Dynamap_ID 4
VIA5	I	10		Via Dynamap_ID 5
LONGITUDE	D	11	6	Longitude
LATITUDE	D	10	6	Latitude

Placeholder:

Item Name	Type	Width	Dec.	Description
BUS FID	P	-		Spatial information storage
DYNAMAP ID	I	10		Unique NorAm record number
FR_ADD	C	11		From address
TO_ADD	C	11		To address
PREFIX	C	2		Street prefix
NAME	C	40		Street name
TYPE	C	6		Street type
SUFFIX	C	2		Feature direction suffix
FCC	C	3		Feature Class Code
POSTAL	C	5		Postal code (ZIP or FSA)

Exits:

Item Name	Type	Width	Dec.	Description
BUS FID	P	-		Spatial information storage
EXIT ID	I	10		Unique NorAm record number
FROM_NAME	C	40		Highway name exit leaves
EXIT_NUM	C	10		Number(s) if applicable
TO_NAME	C	40		Highway/street name exit accesses

Recreation Area:

Item Name	Type	Width	Dec.	Description
BUS FID	P	-		Spatial information storage
NAME	C	40		Landmark name
FCC	C	3		Feature Class Code

Transportation Terminal:

Item Name	Type	Width	Dec.	Description
BUS FID	P	-		Spatial information storage
NAME	C	40		Landmark name
FCC	C	3		Feature Class Code

Major Retail Center:

Item Name	Type	Width	Dec.	Description
BUS FID	P	-		Spatial information storage
NAME	C	40		Landmark name
FCC	C	3		Feature Class Code

Institution:

Item Name	Type	Width	Dec.	Description
BUS FID	P	-		Spatial information storage
NAME	C	40		Landmark name
FCC	C	3		Feature Class Code

Postal Code Inventory:

Item Name	Type	Width	Dec.	Description
BUS FID	P	-		Spatial information storage
POSTAL	C	5		5 digit (ZIP) or 3 digit (FSA) postal
ENC POSTAL	C	5		Enclosing ZIP or FSA
STATE	C	2		State 2-letter abbreviation
STFIPS	C	2		State FIPS
NAME	C	28		ZIP or FSA PO name
NAME TYPE	C	30		Name Type
COUNTY1	C	20		Full County name 1
CTY1FIPS	C	3		County 1 FIPS
COUNTY2	C	20		Full County name 2
CTY2FIPS	C	3		County 2 FIPS
COUNTY3	C	20		Full County name 3
CTY3FIPS	C	3		County 3 FIPS
AREA MI	D	9	3	Area in square miles
LATITUDE	D	10	6	Latitude
LONGITUDE	D	11	6	Longitude
RPO FLAG	C	1		RPO Flag ("R" or blank)
PC TYPE	C	20		Postal code type
PT LOC	C	1		Point Location ("A" for actual)
NAME1	C	28		Alternate postal name 1
NAME TYPE1	C	30		Alternate postal name type 1
NAME2	C	28		etc.
NAME TYPE2	C	30		
NAME3	C	28		
NAME TYPE3	C	30		
NAME4	C	28		
NAME TYPE4	C	30		
NAME5	C	28		
NAME TYPE5	C	30		

County/CD Inventory:

Item Name	Type	Width	Dec.	Description
BUS FID	P	-		Spatial information storage
NAME	C	40		Full County or CD name
COUNTY KEY	C	5		State FIPS code and County FIPS code

Populated Locality Inventory:

Item Name	Type	Width	Dec.	Description
BUS FID	P	-		Spatial information storage
NAME	C	40		Cleaned name
PLACE KEY	C	10		State, County FIPS, Place code
CAPITAL	C	1		"Y" = State Capital (+DC & PR)
POPULATION	I	10		Population

State/Province Inventory:

Item Name	Type	Width	Dec.	Description
BUS FID	P	-		Spatial information storage
NAME	C	40		Full State or Province name
STATE	C	2		2-digit alpha State or Province
STATE KEY	C	2		State or Province FIPS code

Airport:

Item Name	Type	Width	Dec.	Description
BUS FID	A	-		Spatial information storage
NAME	C	40		Airport name
FCC	C	3		Feature Class Code
LOC ID	C	4		3 or 4 character identifier
USERS	C	2		public (PU); private (PR)
OWNER	C	29		
ELEVATION	C	5		
CONGESTION	C	1		congestion level
SERVICE	C	2		service level
LG_CERT_AC	C	10		1992 large certified air carrier enplaning
COMMUTER	C	7		1992 commuter enplaning
AIR_TAXI	C	7		1992 air taxi enplaning
FOR_ENP	C	8		1992 foreign enplaning
IN_TRANSIT	C	10		1992 in-transit enplaning
HUB_SIZE	C	1		based on % of national enplanements
TOWER_TYPE	C	1		tower type code

Large Area Landmark:

Item Name	Type	Width	Dec.	Description
BUS FID	A	-		Spatial information storage
NAME	C	40		Landmark name
FCC	C	3		Feature Class Code

Park:

Item Name	Type	Width	Dec.	Description
BUS FID	A	-		Spatial information storage
NAME	C	40		Landmark name
FCC	C	3		Feature Class Code

Major Water:

Item Name	Type	Width	Dec.	Description
BUS FID	A	-		Spatial information storage
NAME	C	40		Landmark name
FCC	C	3		Feature Class Code

Water Polygon:

Item Name	Type	Width	Dec.	Description
BUS FID	A	-		Spatial information storage
NAME	C	40		Landmark name
FCC	C	3		Feature Class Code

Postal Code Boundary:

Item Name	Type	Width	Dec.	Description
BUS FID	A	-		Spatial information storage
NAME	C	40		ZIP or FSA name
ST FIPS	C	2		State FIPS code
CTY FIPS	C	3		County FIPS code
POSTAL	C	5		5 digit (ZIP) or 3 digit (FSA) postal

County/CD Boundary:

Item Name	Type	Width	Dec.	Description
BUS FID	A	-		Spatial information storage
NAME	C	40		Full County or CD name
COUNTY KEY	C	5		State FIPS code and County FIPS

Place Boundary:

Item Name	Type	Width	Dec.	Description
BUS FID	A	-		Spatial information storage
NAME	C	40		Full Place name
PLACE KEY	C	10		State, County FIPS, Place code

State/Province Boundary:

Item Name	Type	Width	Dec.	Description
BUS FID	A	-		Spatial information storage
NAME	C	40		Full State or Province name
STATE	C	2		2-digit alpha State or Province
STATE KEY	C	2		State or Province FIPS code

Nation Boundary:

Item Name	Type	Width	Dec.	Description
BUS FID	A	-		Spatial information storage
NAME	C	50		Full Nation name
NATION	C	2		2-digit alpha Nation abb.