

## Generation 4 & 5

### Major map database changes between 2007MY map and 2008MY map

#### **1. Changes of database coverage**

##### ***(1) Database sources***

	<b>Previous Product</b>	<b>New Product</b>
Navigable roads in USA	NAVTEQ 2005Q4	NAVTEQ 2006Q4
Other roads in USA	Tele Atlas – July 2005	Tele Atlas – October 2006
All roads in Canada	Tele Atlas – December 2005	Tele Atlas – December 2006
POI	NAVTEQ 2005Q4	NAVTEQ 2006Q4
	infoUSA September 2005	infoUSA September 2006

##### ***(2) New geographic coverage***

Generation 5 ONLY: Hawaiian Islands    Generation 4: No new coverage areas added

##### ***(3) Cities where coverage level changed from previous product***

[U.S.A.]

<b>New Detailed Cities/Countries</b>
Yuba County, CA
San Bernardino County, CA
Santa Barbara County, CA
San Luis Obispo County, CA
San Diego County, CA
Sutter County, CA
Butte County, CA
Pueblo, CO
Jackson, OR
Eagle County, CO
Pitkin County, CO
Summit County, CO
Clear Creek, CO
Gilpin, CO
Shawnee County, KS (Topeka)
Adams County, IL (Quincy)
Mattoon, IL (Coles County)
Lubbock County, TX
Brazoria County, TX

<b>New Detailed Cities/Countries</b>
Gregg County, TX
Walker County, TX
Nacogdoches County, TX
Jackson County, MI
Midland County, MI
Champaign County, IL
McLean County, IL
Muskegon County, MI
Berrien County, MI
Calhoun County, MI
Kankakee County, IL
Trumbull County, OH
Stark County, OH
Cayuga County, NY
Orleans County, VT
Lamoille County, VT
Kennebec County, ME
Bennington County, VT
Orange County, VT
Addison County, VT
Caledonia County, VT
Essex County, VT
Windsor County, VT
Windham County, VT
Monroe County, PA
Montgomery County, VA
Lycoming County, PA
Powhatan, VA
Northhampton, VA
Currituck, NC
Clay County, FL
Lake County, FL
Onslow County, NC
Marion County, FL
Highlands County, FL
Hernando County, FL

**[Canada]**

<b>New Detailed Cities/Provinces</b>
Entire Province of Quebec
Entire Province of Ontario
Entire Province of British Columbia

**(4) Statistical Information (Q4 2006)**

<b>Country</b>	<b>Total digitized road mileage</b>	<b>Navigable road mileage</b>
U.S.A.	6,994,322	3,027,440
CANADA	529,980	341,537

**2. Changes of POI**

	<b>Previous Product</b>	<b>New Product</b>
Total POI count	8,600,000	8,800,000

### **3. Major geometry changes**

#### **Alabama**

- Terminal attribute has been applied to Birmingham Int'l and Mobile Regional Airport.
- In Jefferson County, field verified and updated the geometry near the Birmingham Int'l Airport.
- In Mobile County, field verified and updated the interchange of I-10 and exit 10.

#### **Arkansas**

- In Garland County, verified and updated the interchange of US-70 at US-270 and US-70-BR at Westinghouse Terrace.
- In Miller County, verified and updated 4 interchanges on AR-549 at Spruell Rd, at US-71, at AR-237 and CR-10.
- In Madison County, verified and updated the interchange at I-55 and Sowell Rd.
- In Pulaski County, added/updated 16 subdivisions and verified one way streets in Little Rock and verified and updated the interchange of I-30 and President Clinton Ave.
- In Saline County, verified and updated the interchange of I-30 and Alcoa Rd.
- In Hot Spring County, verified and added 2 miles of US-270 and added new geometry at I-30.
- In Garland County, added/updated 3 subdivisions.

#### **Arizona**

- In Chandler, AZ-202-LOOP/Santan Fwy was extended from AZ-101-LOOP to Elliot Rd.
- I-19 functional class was upgraded between Tucson and Mexico border.
- Terminal attribute has been applied to Sky Harbor Int'l and Tucson Int'l airport.

#### **California**

- All FC 3 and 4 roads in Los Angeles, Sacramento, Alameda and San Diego Counties have been field verified to update geometry, names, addresses and navigational attributes.
- In Roseville, CA the interchange at I-80 and Douglas Blvd/Sunrise Ave was updated.
- In Oakley, CA several new subdivisions were added.
- In Vacaville, CA the interchange at I-80 and Leisure Town Rd was updated.
- In San Ramon, CA a new interchange was added on I-680 at San Ramon Valley Blvd.
- Added new postal code of 94018 representing El Granada, CA
- In Mountain View, CA new ramps were added from CA-85 N to US-101 N, and from US-101 N to Old Middlefield Rd.
- In Santa Clara, Hemet and Yucca Valley, CA functional class attributes were reviewed and several roads were upgraded and downgraded.
- In Santa Clara County, an 8 mile stretch of El Camino Real/CA-82 was upgraded from single digitized to multi digitized.
- In Santa Clara County, a 1 mile stretch of Foothill Expy was upgraded from single digitized to multi digitized.
- In San Jose, a new ramp was added from I-880 South to Airport Blvd.
- In San Francisco, US-101/Central Skyway was updated.
- Exit numbers continue to be applied in the state of California, approximately 80 have been added, this project is ongoing.
- Upgraded CA-111 and downgraded CA-86 from Brawley, CA to the Mexico border.

- Terminal attribute has been applied to Los Angeles Int'l, Ontario Int'l, San Diego Int'l, Norman Y Mineta Int'l, San Francisco Int'l, Oakland Int'l, and Sacramento Int'l airports.
- CA-7 functional class was upgraded between I-8 and CA-93, also between CA-98 and Mexico border.
- In Riverside, CA approximately 600 new named roads were added.
- In San Jose, signs were updated at Norman Y Mineta San Jose Int'l Airport.
- In San Diego County, there was a postal scrub to correct street names and addresses to match the postal files.
- In San Jose, a new ramp for carpools has been added to the US-101/CA-85/Shoreline Blvd interchange.
- In Contra Costa County, approximately 35 new named and addressed links were added.
- In El Dorado Hills, Serrano Pky functional class was upgraded.

### **Colorado**

- All FC 3 and 4 roads in Broomfield, Adams and Denver Counties have been field verified to update geometry, names, addresses and navigational attributes.
- In Denver, upgraded functional class on I-25 HOV lanes.
- In Colorado Springs, extended Powers Blvd from Briargate Pkwy to State Hwy 83.
- In Denver, added new ramp on I-25 to Belleview Ave, I-25 to I-270, and did extensive field verification of I-25 and I-25 HOV lanes.
- Terminal attribute has been applied to Colorado Springs and Denver Int'l airport.
- Extended Lane coding has been applied in Denver.
- Extensive updates were completed at Colorado Springs Municipal Airport.

### **Connecticut**

- All functional class 1 and 2 roads in the following counties have been field verified to update geometry, names, addresses and navigational attributes: Fairfield, Hartford, New Haven, Tolland, Windham, New London and Middlesex.
- HOV lane coding was introduced in Hartford.
- In Hartford County, field verified and updated I-84 at CT-72.

### **Delaware**

- All functional class 1 and 2 roads in Delaware have been field verified to update geometry, names, addresses and navigational attributes.

### **District of Columbia**

- Functional class review in Washington DC.

### **Florida**

- All FC 3 and 4 roads in Hillsborough, Brevard, Charlotte, Indian River, Martin, Osceola, St Lucie, Volusia, Lake, Lee, Manatee, Nassau, Clay, Pinellas, Seminole, and Collier Counties have been field verified to update geometry, names, addresses and navigational attributes.
- Terminal attribute has been applied to Ft Lauderdale/Hollywood Int'l, Daytona Beach Int'l, Jacksonville Int'l, Melbourne Int'l, Orlando Int'l, Tampa Int'l, Southwest Florida Int'l, Miami Int'l and Palm Beach Int'l airport.
- In Broward County, verified and updated signs on I-75.

- In Hillsborough and Lee Counties, functional class was reviewed.
- In Orange County, field verified and added SR-429 between CR-535/Winter Garden Vineland Rd and US-192.
- In Palm Beach County, W Woolbright Rd has been extended.
- In Clay County, field verified and added 226 new streets.
- In Hillsborough County, field verified and added 439 new streets.
- In Lee County, field verified and added 223 new streets.
- In Miami-Dade County, field verified and added 94 new streets.
- In Manatee County, field verified and added 188 new streets.
- In Orange County, field verified and added 156 new streets.
- In Pasco County, field verified and added 174 new streets.
- In Polk County, field verified and added 13 new streets.
- In Sumter County, field verified and added 616 new streets.
- In St Lucie County, field verified and added 112 new streets.
- In Sarasota County, field verified and added 26 new streets.
- In Volusia County, field verified and added 169 new streets.
- In Duval County, field verified and added 52 new streets.
- In Broward County, field verified and added 26 new streets.
- In Collier County, field verified and added 3 new streets.
- In Jacksonville, field verified and updated the interchange of I-95 and I-295.
- In Miami, functional class was reviewed.

## **Georgia**

- All functional class 1 and 2 roads in Georgia have been field verified to update geometry, names, addresses and navigational attributes.
- All FC 3 and 4 roads in Clayton, Douglas, and Fayette Counties have been field verified to update geometry, names, addresses and navigational attributes.
- Terminal attribute has been applied to Hartsfield-Jackson Atlanta Int'l airport.
- In Fulton County, a new city was added, Sandy Springs.

## **Idaho**

- The state of Idaho has been upgraded from RNC FC 1-2 to RNC FC1-4.
- In Clark Fork, field updated names, addresses and attributes.
- Geometry adjustment and re-positioning, and significant updating of naming, addressing, and attributes completed in Blaine county.
- In Donnelly and Blanchard, updated ski resort POI's
- In Lewiston, added new ramps and geometry to US-95.US-195 interchange.
- US-20 between Idaho Falls and St Anthony was updated and 5 new interchanges added.
- Terminal attribute has been applied to Boise Int'l airport.

## **Illinois**

- All functional class 1 and 2 roads in Illinois have been field verified.
- Terminal attribute has been applied to Chicago O'Hare Int'l airport.
- Field verified and adjusted geometry at Midway Airport in Chicago.
- In Morgan County, verified and updated US-67.
- In Springfield, added postal codes 62711 and 62712.
- In Clinton County, added/updated 5 subdivisions.
- In Madison County, added/updated 11 subdivisions.
- In St Clair County, added/updated 3 subdivisions.
- In Effingham County, field verified and updated the interchange of I-57/I-70 and IL-32/IL-33.
- In Joliet, field verified and updated the interchange of I-55 and I-80.
- In Peoria, field verified and updated the interchange of I-74 and N Sterling Ave and the interchange of I-74 and IL-40/Knoxville Ave.
- In Chicago, field verified and updated the interchange of I-90/Chicago Skyway and I-94/Dan Ryan Expy and the interchange of I-90 and W Washington Blvd.
- In DuPage County, added/updated 2 subdivisions.
- In Will County, added/updated 31 subdivisions.
- In McHenry County, added/updated 4 subdivisions.
- In Grundy County, added/updated 4 subdivisions.
- In Kane County, added/updated 2 subdivisions and upgraded portions of IL-47 to multiply digitized.
- In DeKalb County, added/updated 5 subdivisions.
- In Lake County, added/updated 10 subdivisions.
- In Washington County, added/updated 3 subdivisions.
- In Harvey, added new express lanes on I-294.
- Added new postal code 60502.

## **Indiana**

- All functional class 1 and 2 roads in the state of Indiana in DCA 6 have been field verified to update geometry, names, addresses and navigational attributes.
- In Gary, field verified and updated the interchange of Grant St and I-80.
- In Rensselaer, field verified and updated the interchange of IN-14 and I-65.
- In Lake County, added/updated 5 subdivisions.

## **Iowa**

- In Osceola, verified and updated the interchange of I-35 and Kansas St/W Clay St.
- In Henry and Lee Counties, field verified and updated US-218/IA-27.
- In Sioux and Plymouth Counties, field verified and updated IA-60.
- In New Hampton, field verified and updated US-63.
- In Monticello, field verified and updated US-151.

## **Kansas**

- All FC 3 and 4 roads in Wyandotte County have been field verified to update geometry, names, addresses and navigational attributes.
- Field verified and re-routed US-77 and US-166 in Arkansas City, US-400 in Parsons, Prairie Star Ply in Lenexa, US-24 in Riley County, US-40 in Douglas County and US-54 in Fort Scott.
- In Johnson County, added/updated 8 subdivisions.
- In Douglas County, added/updated 4 subdivisions
- In Brown County, verified and updated US-75 including adding new portions of this highway.
- In Franklin County, verified and updated the interchange of I-35 and KS-33, I-35 and KS-68 and I-35 and Tennessee Rd.
- In Johnson County, verified and updated the interchange of I-35 and 87<sup>th</sup> St.
- In Wabaunsee County, field verified and updated I-70 and the interchanges of KS-30, Keene-Eskridge Rd and Frontage Rd.

### **Kentucky**

- All functional class 1 and 2 roads in the state of Kentucky in DCA 6 have been field verified to update geometry, names, addresses and navigational attributes.

### **Louisiana**

- Extended Lane coding has been applied in New Orleans.
- Terminal attribute has been applied to New Orleans Int'l airport.
- HOV lane coding was introduced in New Orleans.
- In St Tammany Parish, added/updated 28 subdivisions.
- In Jefferson Parish, added/updated 2 subdivisions.
- In St Charles Parish, added/updated 6 subdivisions.
- In St John the Baptist Parish, added/updated 4 subdivisions.
- In East Baton Rouge Parish, verified and updated 7 interchanges along I-10, 3 interchanges along I-12, and 4 interchanges along I-110.
- In St Tammany Parish, verified and updated 5 interchanges along I-12, and the interchange of I-59 and US-11/LA-41 SPUR.
- Added new postal code 70813 In East Baton Rouge Parish.

### **Maine**

- All functional class 1 and 2 roads in the state of Maine have been field verified to update geometry, names, addresses and navigational attributes.
- In Bangor, field verified and updated I-395 at exit 3B.
- In Augusta, field verified and updated ME-3 from US-202 to I-95.
- In Portland, field verified and added the new Portland Connector.



## **Maryland**

- All functional class 1 and 2 roads in Maryland have been field verified to update geometry, names, addresses and navigational attributes.
- All FC 3 and 4 roads in Montgomery, Calvert, Howard, Prince George's, Charles and Washington Counties have been field verified to update geometry, names, addresses and navigational attributes.
- In Laurel, a new section of MD-216/Scaggsville Rd was added between US-29 and I-95.
- In Baltimore, verified and updated the interchange of I-695 and US-40 and the interchange of I-695 and MD-45.

## **Massachusetts**

- All functional class 3 and 4 roads in Middlesex County have been field verified to update geometry, names, addresses and navigational attributes.
- Functional class was reviewed and upgraded near Logan Int'l Airport.
- All functional class 1 and 2 roads in the following counties have been field verified to update geometry, names, addresses and navigational attributes: Berkshire, Franklin, Hampshire, Hampden, Worcester, Middlesex, Essex, Suffolk, Norfolk, Bristol, Barnstable and Plymouth.
- The city of Boston was driven and updated to improve geometry and attributes.
- HOV lane coding was introduced in Boston.
- Extended Lane coding has been applied in Boston.
- Field verified and added a new HOV lane from Kneeland St to I-93 South.
- Field verified and added a ramp from I-93 to South Station/Chinatown.
- Field verified and added a new ramp from I-93 to Sudbury St.
- In Carver, a new sections of US-44 was added.

## **Michigan**

- All functional class 1 and 2 roads in Michigan in DCA3 have been field verified to update geometry, names, addresses and navigational attributes.
- All functional class 1 and 2 roads in Kent, Kalamazoo, Ottawa, Grand Traverse, Antrim, Charlevoix and Emmet Counties have been field verified to update geometry, names, addresses and navigational attributes..
- All FC 3 and 4 roads in Washtenaw County have been field verified to update geometry, names, addresses and navigational attributes.
- Terminal attribute has been applied to Detroit Metropolitan Int'l airport.
- Added extended lane coding to surface street intersections in Detroit.
- In Wayne County, added/updated 2 subdivisions.
- In Oakland County, added/updated 2 subdivisions.
- In Monroe County, added/updated 20 subdivisions.
- In Clinton County, added/updated 15 subdivisions.
- In Washtenaw County, added/updated 25 subdivisions.
- In Grand Traverse County, added/updated 1 subdivision.
- In Livingston County, verified and updated the interchanges of US-23 and Lee Rd S and Us-23 and M-59/Highland Rd.
- In Kent County, verified and updated the interchange of I-96 and 36<sup>th</sup> St SE.
- In Wayne County, verified and updated the interchange of US-24/Telegraph Rd and I-94.
- In Midland County, verified and updated the interchange of US-10 and W Wackerly St

- In Oakland County, verified and updated the interchange of I-96 and Novi Rd.
- Updated all exit ramp numbers on M-59.
- Field verified and added exit numbers to the Lodge Freeway/M-10 in Detroit.
- Added new postal code 48193

## **Minnesota**

- All FC 3 and 4 roads in Anoka, Clay and Washington Counties have been field verified to update geometry, names, addresses and navigational attributes.
- In Hennepin County, added/updated 20 subdivisions.
- In Olmstead County, added/updated 1 subdivision.
- In Washington County, added/updated 3 subdivisions.
- In Clay County, added/updated 3 subdivisions.
- In Rockville, added the MN-23 bypass.
- In Duluth, verified and updated US-53.
- In Clay County, updated functional classes on MN-336, US-10 and US-75.
- In Minneapolis/St Paul HOV lane coding was introduced.
- Terminal attribute has been applied to Minneapolis St Paul Int'l airport.
- Extended Lane coding has been applied in Minneapolis/St Paul.
- In Crow Wing County, verified and updated MN-371.

## **Missouri**

- All functional class 1 and 2 roads in Missouri have been field verified to update geometry, names, addresses and navigational attributes.
- All FC 3 and 4 roads in Platte and St Louis Counties have been field verified to update geometry, names, addresses and navigational attributes.
- Extended Lane coding has been applied in Kansas City and St Louis.
- Field verified and updated ramp geometry at I-64 and Meadows Pky, US-40/US/61 and MO-N, and I-70 and Bermuda Rd.
- In Lexington, added the MO-13 bypass.
- In Hillsboro, added the MO-21 bypass.
- In Carter County, verified and updated US-60.
- Field verified and re-routed US-24 and US-65 in Waverly, US-169 in Clay county and MO-152 in Kansas City.
- In Cass County, added/updated 8 subdivisions.
- In Columbia County, added/updated 4 subdivisions.
- In Clay County, added/updated 10 subdivisions.
- In Jackson County, added/updated 42 subdivisions.
- In Taney/Christian County, added/updated 2 subdivisions.
- In Greene County, added/updated 6 subdivisions.
- In Jefferson County, added/updated 4 subdivisions.
- In St Charles County, added/updated 35 subdivisions.
- Updated the Lambert-St Louis Int'l airport.
- In Willow Springs, field verified and updated US-63.
- In Lafayette and Ray counties field verified and updated MO-13 and added 2 new ramp systems.
- In St Francois County, field verified and updated the interchange of US-67 and Maple St.

- In Jackson County, field verified and updated the interchange of I-435 and US-71.
- In St Charles County, field verified and updated the interchange of US-40/US-61 and MO-N.
- Terminal attribute has been applied to Kansas City Int'l and Lambert St Louis Int'l airport.
- Lambert St Louis airport polygon has been updated to accommodate new runways.

## **Mississippi**

- The state of Mississippi has been upgraded from RNC FC 1-2 to RNC FC1-4.
- In Clarke and Wayne Counties, field verified and added 20 miles of US-45.
- In Hinds County, added/updated 6 subdivisions.
- Field verified and added 14 miles of Natchez Trace Parkway from Hinds County to Madison County.
- In Jackson County, verified and updated the interchange at US-90 and Jerry St.
- In Monroe County, verified and updated the interchange of US-41 and US-278/MS-41.
- In Wayne County, verified and updated the interchange of US-45 and US-84.
- In Hinds County, verified and updated the interchange of US-49 and Natchez Trace Parkway, 7 interchanges along I-55, 6 interchanges along I-20, 2 interchanges along I-220 and the interchange of I-20, I-55 and US-51.
- In Lincoln County, verified and added 7 miles of US-84.
- In Wilkinson County, verified and added 6 miles of US-61.
- In Jackson County, verified and added the Trent Lott Int'l Airport.
- In Rankin County, verified and renamed the Jackson Int'l Airport to the Jackson-Evers Int'l Airport and verified and updated 3 interchanges along I-20.
- In Jefferson and Claiborne Counties, US-61 was verified and updated.
- In Harrison County, verified and updated 7 interchanges along I-10 and renamed the Gulfport-Biloxi Regional Airport to Gulfport-Biloxi Int'l Airport.

## **Montana**

- In Missoula, field updated names, addresses and attributes.

## **Nebraska**

- The state of Nebraska has been upgraded from RNC FC 1-2 to RNC FC1-4.
- In Filmore and Thayer Counties, field verified and updated US-81.
- In Cass County, updated and added 7 subdivisions.

## **Nevada**

- All FC 3 and 4 roads in Clark County have been field verified to update geometry, names, addresses and navigational attributes.
- In Carson City, a new bypass and associated exit ramps for US-395 was opened between the north end of town and US-50.
- In Las Vegas, the interchange at I-515/US-93/US-95 at Auto Show Dr was updated.
- In Las Vegas, updated Summerlin Pky functional class and new ramps at Anasazi Dr
- Added new postal codes of 89085 and 89166 in Las Vegas.
- In Las Vegas, added approximately 2100 new links.
- In Las Vegas, updated signs, POI's and geometry at McCarran Int'l Airport.
- In Las Vegas, added entrance/exit roads, main entrance POI's and self parking garages to major strip

casinos.

- In Henderson, upgraded I-215 from I-515/US-93/US-95 to I-15 and added all new ramp systems.
- All hospitals have been updated for more accurate location of the main and ER entrances.
- All rest area POI's have been enhanced with a new attribute denoting the type of rest area.
- In Las Vegas, a 9 mile stretch of Industrial Rd changed names to Dean martin Dr.
- In Clark County, updated 45 miles of US-95 from single digitized to multi digitized.
- Terminal attribute has been applied to McCarran Int'l airport.
- In Clark County, approximately 7000 new named and addressed links were added.

### **New Hampshire**

-All functional class 1 and 2 roads in the state of New Hampshire have been field verified to update geometry, names, addresses and navigational attributes.

### **New Jersey**

- All FC 3 and 4 roads in Union, Camden, Burlington, Bergen, Morris, Middlesex and Somerset Counties have been field verified to update geometry, names, addresses and navigational attributes.
- All functional class 1 and 2 roads in the state of New Jersey have been field verified to update geometry, names, addresses and navigational attributes.
- HOV lane coding was introduced in New Jersey metro area.
- Field verified and updated new interchange 15X in the New Jersey Turnpike.
- In Mercer County, added/updated 1 subdivision.

### **New York**

- All functional class 1 and 2 roads in the state of New York in DCA 6 have been field verified to update geometry, names, addresses and navigational attributes.
- All functional class 1 and 2 roads in the following counties have been field verified to update geometry, names, addresses and navigational attributes: Westchester, Kings, Queens, Rockland, Orange, Richmond, Bronx, Nassau, Suffolk, Columbia, Delaware, Dutchess, Greene, Otsego, Putnam, Sullivan and Ulster.
- All FC 3 and 4 roads in Putnam, Westchester and Suffolk County have been field verified to update geometry, names, addresses and navigational attributes.
- Terminal attribute has been applied to Buffalo Niagara Int'l and Greater Rochester Int'l airport.
- Added new geometry in La Guardia Airport.
- HOV lane coding was introduced in New York Metro Area
- In Suffolk County, updated POI's and geometry in and near MacArthur Airport.
- In Albany County, updated signs on I-87
- In Monroe County, updated street names and addresses for 7 zip codes and verified and updated the interchange of I-390 and Brighton-Henrietta Townline Rd.
- In Niagara County, updated street names and addresses for 2 zip codes.
- In Tompkins County, updated street names and addresses for 13 zip codes.
- Added 10 new golf course POI's and polygon throughout New York.
- In Oneida County, field verified and added the new Judd Rd Connector/RT-480 near Utica.
- In Broome County, field verified and added the new Johnson City Flyover ramp off of R-201.
- In Alleghany County, added/updated 23 subdivisions.
- In Beaver County, added/updated 2 subdivisions.

- In Butler County, added/updated 10 subdivisions.
- In Westmoreland County, added/updated 11 subdivisions.
- In Erie County, verified and updated interchange of Peace Bridge and Baird Dr.

### **New Mexico**

- NM-26 functional class was upgraded from I-25 to I-10.
- Terminal attribute has been applied to Albuquerque Int'l airport.

### **North Carolina**

- All functional class 1 and 2 roads in North Carolina detailed city coverage areas have been field verified to update geometry, names, addresses and navigational attributes.
- Terminal attribute has been applied to Charlotte/Douglas Int'l and Raleigh/Durham Int'l Airport.
- A new section of US-64 has been added from NC-32 to the old US-64.
- In Lee County, field verified and updated US-1.
- In Bethel, field verified and updated the new US-13 bypass.
- In Hillsborough County, field verified and added 240 new streets.
- In Wake County, field verified and added 543 new streets.
- In Durham County, field verified and added 217 new streets.
- In Orange County, field verified and added 59 new streets.
- In Mecklenburg County, field verified and added 73 new streets.
- In Charlotte, field verified and updated the interchange of Independence Blvd and Albemarle Rd.
- In Catawba County, field verified and updated the interchange of I-40 and Old Shelby Rd.
- In Wake Forest, field verified and updated the NC-98-BYP bypass.
- In Durham County, field verified and updated the interchange of US-15.US-501 and US-15-BR/US-501-BR.
- In Wilmington, field verified and updated I-140.

### **North Dakota**

- The state of North Dakota has been upgraded from RNC FC 1-2 to RNC FC1-4.
- All FC 3 and 4 roads in Cass County have been field verified to update geometry, names, addresses and navigational attributes.
- In Cass County, updated/added 7 subdivisions.

### **Ohio**

- All functional class 1 and 2 roads in the state of Ohio in DCA 6 have been field verified to update geometry, names, addresses and navigational attributes.
- Terminal attribute has been applied to Cincinnati-Northern Kentucky Int'l and Columbus Int'l airport.
- Extended Lane coding has been applied in Akron, Cincinnati and Cleveland.
- In Lucas County, updated/added 40 subdivisions.
- In Delaware County, updated/added 28 subdivisions.
- In Medina County, updated/added 8 subdivisions.
- In Perrysburg, verified and updated the interchange of I-80 and I-280/OH-420.
- In Crawford, Wayne and Richland Counties, verified and added a new 24 mile piece of US-30 including 5 interchanges.
- In Mahoning and Trumbull Counties, verified and added a new 2 mile piece of OH-711.

- In Medina, Lorain and Portage Counties, updated street names and addresses for 9 zip codes.
- In Delaware County, verified and updated the interchange at Polaris Pky and Gemini Pl.
- In Franklin County, verified and updated the interchange at OH-161 and I-270.

## **Oklahoma**

- Terminal attribute has been applied to Will Rogers World Airport and Tulsa Int'l airport.
- In Canadian County, added/updated 26 subdivisions.
- In Cleveland County, added/updated 11 subdivisions.
- In Creek County, added/updated 1 subdivision.
- In Garfield County, added/updated 2 subdivisions.
- In Oklahoma County, added/updated 10 subdivisions.
- In Rogers County, added/updated 5 subdivisions.
- In Tulsa County, added/updated 48 subdivisions.
- In McClain County, verified and updated the interchange of OK-76 and Bailey Spur.
- In Canadian County, verified and updated the interchange of I-40, OK-4 and Kilpatrick Turnpike.
- In Rogers County, verified and added 4 miles of US-169.
- In Tulsa County, verified and updated the interchange of US-169 and 11<sup>th</sup> St.

## **Oregon**

- Geometry adjustment and repositioning completed in Columbia County.
- In Beaverton, new ramps added off US-26 near exit 68 and OR-217.
- In Multnomah, all signs were field verified on I-205.
- In Jackson County, a new state route OR-273 was added between I-5 and OR-66.
- In Wilsonville, a new community named Villebois was added, 53 new names and addresses were added.
- Added new bypass around Ontario.
- Upgraded and downgraded several functional classes throughout Oregon, OR-126, OR-38, OR-34 and US-20.
- In Bend, added approximately 75 new subdivisions.
- Terminal attribute has been applied to Portland Int'l airport.
- Extended Lane coding has been applied in Portland.
- In Portland, the interchange at US-26 and OR-217 has been reconstructed and updated and a new project named New Columbia was added consisting of about 75 links.
- In Deschutes County, there was a postal scrub to correct street names and addresses to match the postal files 906 links were added and 58 miles of new geometry were added.

## **Pennsylvania**

- All functional class 1 and 2 roads in the state of Pennsylvania have been field verified to update geometry, names, addresses and navigational attributes.
- HOV lane coding was introduced in Pittsburgh.
- Added extended lane coding to surface street intersections in Pittsburgh.
- Terminal attribute has been applied to Pittsburgh Int'l airport.
- In Allegheny County, added 6.5 miles of the PA-576-Tpke between PA-60 and US-22.
- In Erie, added 2.4 miles of the completed Bayfront Connector.
- In Allegheny County, updated street names and addresses for 9 zip codes.

- In Pittsburgh, PNC Park area was driven and verified.
- In Allegheny County, added 2 new shopping POI's and polygons.
- In Allegheny County, verified and updated the Exit 7 interchange on PA-60.
- In Leigh County, added/updated 27 new subdivisions.
- In Montgomery County, added/updated 2 subdivisions.
- In Bucks County, added/updated 2 subdivisions.
- In Philipsburg, a new bypass US-322/PA-53 was added.
- In Lewistown, a new bypass was added.
- In Chambersburg, a new interchange was added on I-81.

### **Rhode Island**

- Extended Lane coding has been applied in Providence.

### **South Carolina**

- All functional class 1 and 2 roads in South Carolina have been field verified to update geometry, names, addresses and navigational attributes.
- Terminal attribute has been applied to Savannah/Hilton Head Int'l airport.
- In Simpsonville, verified and added the interchange at I-395 and Exit 29.
- In Horry County, field verified and added 73 new streets.
- In Greenville County, field verified and added 14 new streets.
- In Charleston County, field verified and added 163 new streets.
- In Horry County, field verified and added 53 new streets.
- In Myrtle Beach, field verified and updated the interchange of SC-22 and US-17.
- In Richland County, field verified and updated the geometry around Columbia Metropolitan Airport.
- In Newberry, field verified and updated the interchange of I-26 and SC-219.
- In Greenville County, field verified and updated the interchange of SC-291 and I-385.

### **South Dakota**

- In Lyman and Stanley counties, verified and updated US-83.
- The state of South Dakota has been upgraded from RNC FC 1-2 to RNC FC1-4.

### **Tennessee**

- All functional class 1 and 2 roads in the state of Tennessee in DCA 6 have been field verified to update geometry, names, addresses and navigational attributes.
- Terminal attribute has been applied to Nashville Int'l and Memphis Int'l airport.
- In Shelby County, added/updated 7 subdivisions.
- In Sullivan County, added/updated 2 subdivisions.
- In Shelby County, verified and updated the interchange of I-55 and Shelby Dr.
- In Rutherford County, verified and updated the interchange of I-24 and Manson Pike.
- In Davidson County, verified and updated the interchange of I-40 and I-65.

### **Texas**

- Functional class 1 and 2 roads in 199 counties in Texas have been field verified to update geometry, names, addresses and navigational attributes.
- All FC 3 and 4 roads in Dallas County have been field verified to update geometry, names, addresses

and navigational attributes.

-Terminal attribute has been applied to Bush Intercon'l Airport, William P Hobby Airport, San Antonio Int'l Airport and Dallas/Ft Worth Int'l airport. The new terminal POI was also added to Dallas/Ft Worth Int'l Airport.

- HOV lane coding was introduced in Dallas/Fort Worth and Houston

-Extended Lane coding has been applied in Dallas/Fort Worth, Austin and San Antonio.

-In the following counties, Brazos, Ellis, Ector, Harris and Midland; there was a postal scrub project to correct street names and addresses to match the postal files in total 46 zip codes were worked through.

-In Tarrant County, added/updated 64 subdivisions.

-In Bexar County, added/updated 9 subdivisions.

-In Brazoria County, added/updated 10 subdivisions.

-In Brazos County, added/updated 1 subdivision.

-In Collin County, added/updated 8 subdivisions.

-In Comal County, added/updated 4 subdivisions.

-In Dallas County, added/updated 22 subdivisions.

-In Denton County, added/updated 2 subdivisions.

-In Ellis County, added/updated 1 subdivision.

-In Fort Bend County, added/updated 29 subdivisions.

-In Galveston County, added/updated 14 subdivisions.

-In Guadalupe County, added/updated 5 subdivisions.

-In Harris County, added/updated 138 subdivisions.

-In Johnson County, added/updated 1 subdivision.

-In Montgomery County, added/updated 7 subdivisions.

-In Parker County, added/updated 14 subdivisions.

-In Travis County, added/updated 3 subdivisions.

-In Tarrant County, added/updated 154 subdivisions.

-In Bexar County, verified and updated the interchange of I-10 and I-410 and the interchange of Randolph Brooks Pkwy and TX-1601-LOOP.

-In Brazoria County, verified and updated the interchanges along TX-288 at CR-220, TX-332/Oyster Creek Dr, TX-288-BR and FM-2004.

-In Comal County, verified and updated the interchange of I-35 and FM-306.

-In Chambers County, verified and updated the interchange of I-10 and FM-1663.

-In Hays County, verified and updated the interchange of TX-21 and TX-80.

-In Ellis County, verified and updated the interchange of US-283 and US-283-BR, 2 interchanges along I-35E, and 2 interchanges along I-45.

-In Fort Bend County, verified and updated 6 interchanges along US-59 and upgraded a 5 mile stretch of FM-1093 to multiply digitized.

In Harris County, verified and updated the following interchanges, I-10 and I-610, I-10 and Pin Oak Rd, I-10 and TX-99, Sam Houston Tollway and TX-249, US-290 and Huffmeister Rd, TX-225 and Sems Rd, and also I-45 and FM-528/W Nasa Rd.

-In Jefferson County, verified and updated 4 interchanges along I-10.

-In Johnson County, verified and updated the interchange of US-67 and US-67-BR and 6 interchanges along I-35W.

-In Cameron County, verified and updated interchanges along US-77.US-83 at FM-1479, Lincoln Ave, M St, TX-499-LOOP and TX-206-LOOP.



- In Tarrant County, verified and updated 9 interchanges along I-35W, 2 interchanges along I-20, 2 interchanges along TX-121, 3 interchanges along TX-183, 6 interchanges along I-820, 2 interchanges along TX-360, 4 interchanges along I-30 and the interchange of TX-26 and TX-114.
- In Travis County, verified and updated the interchange of I-35 and US-290.
- In Waller County, verified and updated 2 interchanges along US-290.
- In Orange County, verified and updated 2 interchanges along I-10.
- In Hill County, verified and updated the interchanges of I-35W at FM-934 and FM-67 and the interchange of I-35E and FM-2959.
- In Palo Pinto County, verified and updated 3 interchanges along I-20.
- In Parker County, verified and updated the interchange of I-20 and FM-1189.
- In Montgomery County, verified and updated the interchange of I-45 and Woodlands Pky.
- In Hunt County, 2.5 miles of TX-24 was updated to multi digitized and the interchange of TX-24/TX-50 and TX-11 was verified and updated.
- In San Jacinto County, the interchange of US-59 and FM-223 was verified and updated.
- In Brazoria County, added polygons for city of Richwood, Brazos Mall and Dow Chemical Co.
- In Denton County, adjusted postal code 76177.
- Modified the city polygons for the following cities: Bridgeport, Cibolo, Elmendorf, Gilmer, Rosenberg and San Antonio.
- In Hidalgo County, downgraded the functional class of US-281.
- In Fort Bend, re named the Sugarland Municipal Airport to Sugarland Regional Airport.
- Added new postal code 75054 in Tarrant County.

## **Utah**

- Continuing work on Salt Lake city Int'l Airport, updated geometry and signage.

## **Virginia**

- 50% of functional class 1 and 2 roads in Virginia have been field verified to update geometry, names, addresses, and navigational attributes
- All FC 3 and 4 roads in Prince William County and Manassas City have been field verified to update geometry, names, addresses and navigational attributes.
- In Clarksville, a new section of US-58 was added.
- In Sterling, a new interchange was verified and added on VA-28/Sully Rd to VA-625/Waxpool Rd.
- In Hampton, a new interchange was verified and added on I-64 to US-258.
- In Springfield, a new ramp was verified and added on I-95 and I-495 and the interchange at I-95 and Old Keene Mill Rd/VA-644.
- In Fredericksburg, a new ramp was verified and added at the interchange at I-95 and Centerport Pky.
- In Chantilly, a new interchange was added on VA-28/Sully Rd at Westfields Blvd.
- In Chesapeake, Moses Grandy Trl has been added between Cedar Rd and Dominion Blvd/US-17, and US-17 has been updated to multiply digitized.
- In Hampton, a new interchange was verified and updated at I-64 and W Mercury Blvd/US-258.

## **Washington**

- In Pierce County, downgraded several roads running through a restricted military base.
- In Clark, all signs were field verified on I-205.
- In Federal Way, new HOV ramps were added to I-5 to 28<sup>th</sup> Ave S and S317 st.

- In Booney Lake, a new postal code 98391 was added.
- In Everett, reviewed one way attributes.
- In George, updated geometry, addresses and functional class.
- In Kent, updated polygons and POI's
- In Lynnwood, added new ramps to I-5.
- In Roslyn, added the Suncadia Resort subdivision, golf course and hotel.
- Updated sports complex throughout Universities in Washington.
- Terminal attribute has been applied to Sea-Tac Int'l airport.
- In King county, there was a postal scrub to correct street names and addresses to match the postal files 2284 links were added and 124 miles of new geometry were added.
- Added new postal code 98345 representing Keyport.

## **West Virginia**

n/a

## **Wisconsin**

- All functional class 1 and 2 roads in Wisconsin have been field verified to update geometry, names, addresses and navigational attributes.
- In Summerset, added the WI-64 bypass.
- In Eau Claire, added the US-53 bypass and a new stretch of US-53.
- In Chippewa Falls, added the WI-29 bypass.
- In Lena, added the US-141 bypass.
- In Oconomowoc, added the WI-67 bypass.
- In Platteville and Dickeyville, added the US-151 bypass.
- In Baldwin, field verified and updated the I-94 and US-63 interchange.
- In Portage and Waupaca counties, field verified, updated and updated the functional class of US-10.
- In Amherst, verified and re routed US-10.
- In Rhinelander, verified and re routed WI-17.
- In Dane County, field verified and updated the US-15 and CR-C interchange and upgraded portions of US-151 to controlled access, also upgraded portions of CR-C to multiply digitized.
- In Middleton, field verified and updated the US-12 and Parmenter St interchange.
- In Fond du Lac, field verified and updated the US-41 and US-151/S Military Rd interchange and the US-151 bypass.
- In Green Bay, field verified and updated the WI-54 and CR-EA/N Huron Rd interchange.
- In Dane County, added/updated 1 subdivision.
- In Waukesha County, added/updated 2 subdivisions.

## **Wyoming**

- The state of Wyoming has been upgraded from RNC FC 1-2 to RNC FC1-4.
- Extensive updates were completed at Cheyenne Regional Airport.

# CANADA

## ***Alberta***

- Rebuilt 4 interchanges on Hwy 2 in Calgary area.
- Realigned 2 interchanges of TCH west of Calgary. construction of Hwy 43 from Gunn to Glenevis & Greencourt to Fox Creek (Lac Ste Anne)
- Added 25,114 addresses & 1,180 miles of streets.

## ***British Columbia***

- Expanded Navigable Coverage to Full Province
- Updated 2 Interchanges on TCH in Fraser Valley
- Added 161,996 addresses & 3,000 miles of streets.

## ***Manitoba***

- General Currency Updates
- Added 847 addresses & 75 miles of streets.

## ***New Brunswick***

- General Currency Updates
- Extensive Realignment of TCH
- Added 4,596 addresses & 101 miles of streets.

## ***Newfoundland & Labrador***

- General Currency Updates
- Added 3,028 addresses & 3 miles of streets.

## ***Nova Scotia***

- Expanded Halifax Navigable Coverage
- Added 8,176 addresses & 10 miles of streets.

## ***Ontario***

- Expanded Navigable Coverage to Full Province
- Included the following Major Highway updates:
  - Realignment & reconstruction of Hwy 400 (6 Interchanges)
  - Realignment & reconstruction of Hwy 401 (2 Interchanges)
  - Realignment & reconstruction of Hwy 402 (1 Interchange)
- Added 177,515 addresses & 46 miles of streets.

## ***Prince Edward Island***

- Realigned Streets in Full Province
- Added 689 addresses

**Quebec**

- Expanded Navigable Coverage to Full Province
- Included the following Major Highway updates:
  - T-C Hwy 15 (Laval) – reconstruct interchange at Boul. Cartier (Exit 7)
  - T-C Hwy 15 (Ste Therese) – realignment at Chemin de la Cote
  - Autoroute 40 (Quebec-ville) – reconstruct interchange at Hwy 367
  - Autoroute 30 (Brossard) – add interchange at Rue Lapage (Exit 108)
- Added 432,462 addresses & 2,000 miles of streets.

**Saskatchewan**

- General Currency Updates
- Added 6,634 addresses & 121 miles of streets.

**Yukon**

- Reconstruct Hwy 1 (Alaska Hwy) to improve alignment – Haines Jct. to Beaver Creek
- Reconstruct Hwy 3 (Haines Rd) from Haines Jct. to BC border