

CARRIER ROUTE BOUNDARIES & CENTROIDS

PRODUCT DOCUMENTATION

Includes:

- *Carrier Route Boundaries*
- *Carrier Route Centroids*

This product also includes ZIP Codes – Boundaries and Centroids, which are explained in the ZIP Code Boundaries product documentation.

Carrier Routes represent the area served by a particular USPS mail carrier. Using multiple data sources, Maponics creates boundaries that follow roads, for both accuracy and visual appeal. Our proprietary process captures residential and business routes with the resulting product being a great resource for direct marketers.

- Uses multiple data feeds, including USPS data, to ensure completeness
- CASS certifiable data imported each month
- Rigorous linkage of ZIP+4 data to every U.S. street segment
- Scores segments based on match rates
- Incorporates areas cleanly without the “fake accuracy” of jagged fenceposting used by other companies

Our process creates a single record for each carrier route feature, regardless of the number of polygons that constitute it. Such “split routes” will still contain all the necessary information to draw each polygon. In cases of split routes, the centroid file will use the gravity center point of the carrier route, ensuring that the centroid will reside within one of the Carrier Route polygons.

The Boundary version includes latitude/longitude coordinates for every polygon vertex, but only includes records for Carrier Routes that have a defined area.

The Centroid version includes all Carrier Routes, one record per, including “point type” routes such as PO Boxes and other route types for which an accurate boundary could not be defined. PO Box CRs are located at the Post Office physical location, if possible; otherwise at the ZIP centroid. If the point CR is not a PO Box, then we attempt to place it at the centroid of the street segment where we have the best match. Otherwise, we place it at the ZIP centroid.

CARRIER ROUTE BOUNDARIES

GIS ready formats : ESRI - SHAPE, MapInfo TAB

Database-loadable text : WKT, PostGIS, MySQL

Other formats: KML

Datum: WGS84

¹ geom field only in MySQL and PostGIS formats

² WKT field only in WKT format file

³ Business counts include business PO Boxes

CARRIER ROUTE BOUNDARIES RECORD LAYOUT

#	Field Name	Type	Description
1	geom ¹		Binary internal representation of geometry
1	WKT ²		"MULTIPOLYGON" label, followed by coordinate pairs to define polygon(s) (longitude, latitude)
2	ZIPCRID	C*9	9digit carrier route ID (combination of the ZIP Code and the CR)
3	ZIP	C*5	5digit ZIP Code
4	CR	C*4	4digit carrier route code
5	NAME	C*40	Postal town name, Primary
6	STATE	C*2	State abbreviation (see note #2 below)
7	STATEFIPS	C*2	State FIPS Code
8	COUNTYFIPS	C*5	County FIPS code
9	LAT	Float	Latitude of ZIP Code Centroid
10	LON	Float	Longitude of ZIP Code Centroid
11	TOTRESCNT	Integer	Total # of residential deliveries in this route
12	MFDU	Integer	Total # of multifamily deliveries in this route; generally analogous to apartments
13	SFDU	Integer	Total # of single family deliveries in this route; generally analogous to homes
14	BOXCNT	Integer	Total # of residential PO Box deliveries in this route
15	BIZCNT ³	Integer	Total # of business deliveries in this route
16	RELVER	C*8	Release version (e.g. 1.12.1)

Notes:

1. For database loadable formats all field names will be lowercase and character fields are VARCHAR.
2. For every format, our data adheres to the standard Cartesian coordinate orientation where the first value, 'X', is a point on a horizontal axis (corresponding to east and west) and the second value, 'Y', is a point on a vertical axis (corresponding to north and south). This ordering is consistent and standard with industry spatial data format conventions.

CARRIER ROUTE CENTROIDS

GIS ready formats : ESRI - SHAPE, MapInfo TAB

Database-loadable text : WKT, PostGIS, MySQL

Other formats: KML

Datum: WGS84

¹ geom field only in MySQL and PostGIS formats

² WKT field only in WKT format file

³ Business counts include business PO Boxes

CARRIER ROUTE CENTROIDS RECORD LAYOUT

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16	TYPE	C*1	R=rural, C=city, B=PO Box, H=highway contract, G=general delivery
17	ENCCR	C*9	If the CR is a "point only" CR, then this field indicates the polygonal CR it falls within
18	RELVER	C*8	Release version (e.g. 1.12.1)

Notes:

1. For database loadable formats all field names will be lowercase and character fields are VARCHAR.
2. In rare instances, ZIP Code boundaries can cross state borders, in which case the state recorded is the state used in mailing addresses with this ZIP.
3. For every format, our data adheres to the standard Cartesian coordinate orientation where the first value, 'X', is a point on a horizontal axis (corresponding to east and west) and the second value, 'Y', is a point on a vertical axis (corresponding to north and south). This ordering is consistent and standard with industry spatial data format conventions.

ZIP CODE TYPES:

- PO BOX: ZIP Codes that represent Post Office boxes
- FILLER: ZIP Codes that end in MH/MX and are "filler" ZIPs representing areas of no mail delivery
- UNIQUE: A ZIP type assigned to single high-volume receivers of mail, for example a governmental agency, university, or business
- NON-UNIQUE: This ZIP type is assigned to a standard ZIP Code - normal street delivery

FIPS – “FEDERAL INFORMATION PROCESSING STANDARDS”

FIPS is a unique numbering system used by government agencies. This code allows users to link the map data to other databases. See also <http://www.itl.nist.gov/fipspubs/>

SUPPORT:

If you have any questions or concerns, you may contact our support team directly by calling 800.425.1502 or by emailing info@zip-codes.com.