

Revised April 19, 2011

Name: COH_Centerlines

Layer Type: Line

Description: Names and addresses of Streets and Roadways (major and minor) for the Island of Hawaii by the County of Hawaii, Planning Department. These road features originally derived from Tiger Line files created for the Year 2000 Census data.

Source: State of Hawaii, Office of Elections, January 2002; rectified by the County of Hawaii, Planning Dept., November 2005. Revised April 2011.

History: Derived from 1:100,000 Tiger Line Files. Data originally downloaded from the Office of Planning's website (Roads - Major, TIGER and Roads - Other, TIGER). Rectified by the County of Hawaii, Planning Dept., 2003; using ArcEdit of the Arc/Info version 7.2.1 and ArcView GIS version 3.2a software program. The County of Hawaii's Tax Assessor Parcel Data layer was used as a background to define its' location. Street names were researched using an official list compiled by the Planning Dept. and cross-referenced to County Council resolutions, Subdivision files, and The Ready Mapbook of East and West Hawaii.

Overview: The County of Hawaii centerlines layer depicts the street network as it exists on the ground, as opposed to official roadways from paper documents. Likewise street names are the ones in use, meaning the ones that the County uses to assign addresses. This is true even if the name in use differs from the official name of the street.

The entity is the street segment: the portion lying between two adjacent intersections. Each centerline has a street name attribute and an address range. All segments of a street are included if any buildings are addressed anywhere on the street. Streets are included regardless of ownership (County, State, Federal or private). Centerlines include, but are not limited to, those streets that have addressable buildings.

Attributes:	SEGID	Segment ID number.
	FULLNAME	Full "primary" street name. Street name that the County uses for a street. This street name is used for assigning addresses.
	SDIRPRE	Prefix street direction for "primary" street name (e.g., "E" in "E Kawaiiani St").

SFEANME	Base name or feature name for “primary” street name (e.g., “Kawailani” in “E Kawailani St”).
SFEATYPE	Street type for “primary” street name (e.g., “St” in “E Kawailani St”).
SDIRSUF	Suffix street direction for “primary” street name (e.g., “E” in “Kawailani St E”).
A#DIRPRE	Alias prefix street direction, if any that the County uses as the “primary” street name for the centerline.
A#FEANME	Alias base name or feature name, if any that the County uses as the “primary” street name for the centerline.
A#FEATYP	Alias street type, if any that the County uses as the “primary” street name for the centerline.
A#DIRSUF	Alias suffix street direction, if any that the County uses as the “primary” street name for the centerline.

(Each street segment can have up to 4 alias names.)

FRADDL FROM	Left address range values for centerline.
FRADDR FROM	Right address range values for centerline.
TOADDL TO	Left address range values for centerline.
TOADDR TO	Right address range values for centerline.
CLASS	<p>Street class:</p> <p>“A31“ :Secondary and connecting road, State and county highways, unseparated.</p> <p>“A35“ : Secondary and connecting road, State and county highways, separated.</p> <p>“A41“ : Local, neighborhood, and rural road, city street, unseparated.</p> <p>“A45“ : Local, neighborhood, and rural road, city street, separated.</p> <p>“A51“ : Vehicular trail, road passable only by 4WD vehicle, unseparated.</p> <p>“IMPS” : Impassable. Houses located along path or trail that an automobile cannot travel on.</p> <p>“Q01” : Easements and driveways.</p> <p>“Q02“ : Private road parcels.</p> <p>“Q03” : Compound roads (e.g., within a school compound).</p> <p>“Q04” : Alleys.</p> <p>“Q05” : Agricultural roads.</p>

ZIPL	ZIP code on LEFT side of street centerline, respectively.
ZIPR	ZIP code on RIGHT side of street centerline, respectively.
ZONEL	Zone on LEFT side of street centerline, respectively.
ZONER	Zone on RIGHT side of street centerline, respectively.
STATERTENM	State route number for street, if any.
UNDERCONST	Indicates if street is currently under construction.

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Note: This data layer is intended to be used as a guide for planning purposes only and should not be used for boundary interpretations or other spatial analysis beyond the limitations of the data. Information shown on this map is derived from public records that are constantly undergoing change and is not warranted for content or accuracy. The County does not guarantee the positional or thematic accuracy of the GIS data. The GIS data or cartographic digital files are not a legal representation of any of the features in which it depicts, and disclaims any assumption of the legal status of which it represents. *This digital version is not an official map, therefore users are advised to contact the County of Hawaii, Planning Dept., Street Addressing Section for street name or address verification.*

Discrepancies in the data should be brought to the attention of the Street Addressing Section.

Disclaimer

The centerlines file is still under construction in the sense that the County plans to correct many systematic errors and omissions. The County is also in the process of modifying procedures in order to prevent further error. Until these corrections are made, the file should not be used to represent the true street network for the County, nor can it be used as an inventory of street names, or a basis for locating or addressing all addressable buildings. The following apply in the present version:

1. Centerlines are rectified to the County parcel layer. This means that they are not positionally accurate. The file serves planning and addressing purposes, but should not be used for boundary interpretation or the precise calculation of land area.
2. Standard practice is to digitize the centerlines along road rights-of-way on the tax maps. They are not verified in the field or with aerial photos. This practice systematically introduces error where the tax maps do not reflect the actual street extents in the field. The problem is especially acute in old rural areas, where the actual road network has evolved independent of the paper record. (In 1999 most streets were field checked. The file captures some, but not all of the results.)
3. A street is digitized only if it is created from a new subdivision, or if it is preexisting and the County receives a request for an address on the street. Residents are less likely to request an address in rural areas with old streets and without mail delivery. Therefore these streets are more likely to be omitted from the centerlines layer.
4. Many streets still do not have street names and/or address ranges. Until recently the County did not assign addresses on many private streets. Even if a centerline exists in the file, and even if residents live on the street, the street might not have a name or an address range.
5. Street names in the centerlines may not match the names on street name signs in the field. Street name spelling does not necessarily match the spelling on street signs in the field.
6. The transfer of ranges from paper maps to the digital centerlines (with rigidly uniform tic intervals) has caused some misalignments of the addressing grid. As a result some ranges, especially at remote intersections on long stretches of road, still have to be adjusted (e.g., Hwy 11 between Volcano and Pahala).
7. The USPS is in the process of modifying the ZIP code boundaries on the island. The current ZIP code boundaries are approximate and generalized. The ZIP code attributes were populated in all centerlines, but the values are likely to change in centerlines lying within a mile of the current USPS boundaries.

Hawaiian diacritical marks are currently not included in this layer. The County of Hawaii, Planning Department plans to seek professional services in proper punctuation of the Hawaiian names.