

## Census Feature Class Codes (CFCCs)

A census feature class code (CFCC) is used to identify the most noticeable characteristic of a feature. The CFCC is applied only once to a chain or landmark with preference given to classifications that cover features that are visible to an observer and a part of the ground transportation network. Thus, a road that also is the boundary of a town would have a CFCC describing its road characteristics, not its boundary characteristics.

The CFCC, as used in the TIGER/Line files, is a three-character code. The first character is a letter describing the feature class; the second character is a number describing the major category; and the third character is a number describing the minor category. Not all CFCCs listed currently appear in the TIGER/Line files. The U.S. Census Bureau has created some CFCCs in preparation for collecting additional information for identifying and classifying features in future operations. The TIGER/Line files contain sporadic occurrences of road segments with a misclassified CFCC. The result is that complete chains for the affected road features will have segments with different CFCC values assigned erroneously. This problem could affect applications that use the CFCC values for network analysis, routing, or for assigning symbology to a feature when creating a map. Some street features in the TIGER/Line files that normally would be classified as "A" class features may now be coded with a "P" instead of the "A" to indicate that the feature is a "provisional" feature. The numeric portion of the CFCC still classifies the street as if an "A" were preceding it. Provisional features are those streets that were added from reference sources or other programs in preparation for Census 2000, but were not aerial photography or imagery. As these features are verified in future operations the provisional flag will be removed for subsequent TIGER Line file releases. Features that still have the provisional flag at the time the U.S. Census Bureau assigned the Census 2000 tabulation block numbers were not held as Census 2000 tabulation block boundaries.

### Feature Class A, Road

The U.S. Census Bureau uses the term *divided* to refer to a road with opposing traffic lanes separated by any size median, and *separated* to refer to lanes that are represented in the Census TIGER database as two distinct complete chains. The term, *rail line in center*, indicates that a rail line shares the road right-of-way. The rail line may follow the center of the road or be directly next to the road; representation is dependent upon the available source used during the update. The rail line can represent a railroad, a streetcar line, or other rail line.

**A0\* - Road With Category Unknown** Source materials do not allow determination of the road category.

**CFCC Description**

A00 Road feature; classification unknown or not elsewhere classified

**A1\* - Primary Highway With Limited Access** Interstate highways and some toll highways are in this category (A1) and are distinguished by the presence of interchanges. These highways are accessed by way of ramps and have multiple lanes of traffic. The opposing traffic lanes are divided by a median strip. The TIGER/Line files may depict these opposing traffic lanes as two distinct lines in which case, the road is called *separated*.

**CFCC Description**

A11 Primary road with limited access or interstate highway, unseparated

A12 Primary road with limited access or interstate highway, unseparated, in tunnel

A13 Primary road with limited access or interstate highway, unseparated, underpassing

A14 Primary road with limited access or interstate highway, unseparated, with rail line in center

A15 Primary road with limited access or interstate highway, separated

A16 Primary road with limited access or interstate highway, separated, in tunnel

A17 Primary road with limited access or interstate highway, separated, underpassing

A18 Primary road with limited access or interstate highway, separated, with rail line in center

A19 Primary road with limited access or interstate highway, bridge

**A2\* - Primary Road Without Limited Access** This category includes nationally and regionally important highways that do not have limited access as required by category A1. It consists mainly of US highways, but may include some state highways and county highways that connect cities and larger towns. A road in this category must be hard-surface (concrete or asphalt). It has intersections with other roads, may be divided or undivided, and have multi-lane or single-lane characteristics.

**CFCC Description**

A21 Primary road without limited access, US highways, unseparated

A22 Primary road without limited access, US highways, unseparated, in tunnel

A23 Primary road without limited access, US highways, unseparated, underpassing

A24 Primary road without limited access, US highways, unseparated, with rail line in center

A25 Primary road without limited access, US highways, separated

A26 Primary road without limited access, US highways, separated, in tunnel

A27 Primary road without limited access, US highways, separated, underpassing

A28 Primary road without limited access, US highways, separated, with rail line in center

A29 Primary road without limited access, US highways, bridge

**A3\* - Secondary and Connecting Road** This category (A3) includes mostly state highways, but may include some county highways that connect smaller towns, subdivisions, and neighborhoods. The roads in this category generally are smaller than roads in Category A2, must be hard surface (concrete or asphalt), and are usually undivided with single-lane characteristics. These roads usually have a local name along with a route number and intersect with many other roads and driveways.

**CFCC Description**

A31 Secondary and connecting road, state and county highways, unseparated

- A32 Secondary and connecting road, state and county highways, unseparated, in tunnel
- A33 Secondary and connecting road, state and county highways, unseparated, underpassing
- A34 Secondary and connecting road, state and county highways, unseparated, with rail line in center
- A35 Secondary and connecting road, state and county highways, separated
- A36 Secondary and connecting road, state and county highways, separated, in tunnel
- A37 Secondary and connecting road, state and county highways, separated, underpassing
- A38 Secondary and connecting road, state and county highway, separated, with rail line in center
- A39 Secondary and connecting road, state and county highways, bridge

**A4\* - Local, Neighborhood, and Rural Road** A road in this category (A4) is used for local traffic and usually has a single lane of traffic in each direction. In an urban area, this feature is a neighborhood road and street that is not a thorough-fare belonging in categories A2 or A3. In a rural area, this is a short-distance road connecting the smallest towns; the road may or may not have a state or county route number. Scenic park roads, unimproved or unpaved roads, and industrial roads are included in this category. Most roads in the United States are classified as A4 roads.

**CFCC Description**

- A41 Local, neighborhood, and rural road, city street, unseparated
- A42 Local, neighborhood, and rural road, city street, unseparated, in tunnel
- A43 Local, neighborhood, and rural road, city street, unseparated, underpassing
- A44 Local, neighborhood, and rural road, city street, unseparated, with rail line in center
- A45 Local, neighborhood, and rural road, city street, separated
- A46 Local, neighborhood, and rural road, city street, separated, in tunnel
- A47 Local, neighborhood, and rural road, city street, separated, underpassing
- A48 Local, neighborhood, and rural road, city street, separated, with rail line in center
- A49 Local, neighborhood, and rural road, city street, bridge

**A5\* - Vehicular Trail** A road in this category (A5) is usable only by four-wheel drive vehicles, is usually a one-lane dirt trail, and is found almost exclusively in very rural areas. Sometimes the road is called a fire road or logging road and may include an abandoned railroad grade where the tracks have been removed. Minor, unpaved roads usable by ordinary cars and trucks belong in category A4, not A5.

**CFCC Description**

- A51 Vehicular trail, road passable only by 4WD vehicle, unseparated
- A52 Vehicular trail, road passable only by 4WD vehicle, unseparated, in tunnel
- A53 Vehicular trail, road passable only by 4WD vehicle, unseparated, underpassing

**A6\* - Road with Special Characteristics** This category (A6) includes roads, portions of a road, intersections of a road, or the ends of a road that are parts of the vehicular highway system and have separately identifiable characteristics.

**CFCC Description**

- A60 Special road feature, major category used when the minor category could not be determined
- A61 Cul-de-sac, the closed end of a road that forms a loop or turn-around
- A62 Traffic circle, the portion of a road or intersection of roads forming a roundabout
- A63 Access ramp, the portion of a road that forms a cloverleaf or limited access interchange
- A64 Service drive, the road or portion of a road that provides access to businesses, facilities, and rest areas along a limited-access highway; this

frontage road may intersect other roads and be named

A65 Ferry crossing, the representation of a route over water that connects roads on opposite shores; used by ships carrying automobiles or people

A66 Gated barrier to travel

A67 Toll booth barrier to travel

**A7\* - Road as Other Thoroughfare** A road in this category (A7) is not part of the vehicular highway system. It is used by bicyclists or pedestrians, and is typically inaccessible to mainstream motor traffic except for private owner and service vehicles. This category includes foot and hiking trails located on park and forest land, as well as stairs or walkways that follow a road right-of-way and have names similar to road names.

**CFCC Description**

A70 Other thoroughfare, major category used when the minor category could not be determined

A71 Walkway or trail for pedestrians, usually unnamed

A72 Stairway, stepped road for pedestrians, usually unnamed

A73 Alley, road for service vehicles, usually unnamed, located at the rear of buildings and property

A74 Private road or drive for service vehicles, usually privately owned and unnamed. Primary type of use is for access to oil rigs, farms, or ranches

A75 Internal U.S. Census Bureau use