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 3 - 28 2006 Second Edition TIGER/Line® Files 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.

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
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

Primary Road Without Limited Access  This category (A2) 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

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
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 thoroughfare 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

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

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

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

**Feature Class B, Railroad**

**Railroad With Category Unknown** Source materials do not allow determination of the railroad category.

**CFCC Description**
B00 Railroad feature; classification unknown or not elsewhere classified

**Railroad Main Line** A railroad in this category is the primary track that provides service between destinations. A main line track often carries the name of the owning and operating railroad company.

**CFCC Description**
B11 Railroad main track, not in tunnel or underpassing
B12 Railroad main track, in tunnel
B13 Railroad main track, underpassing
B14 Abandoned/inactive rail line with tracks present
B15 Abandoned rail line with grade, but no tracks
B16 Abandoned rail line with track and grade information unknown
B19 Railroad main track, bridge

**Railroad Spur** A railroad in this category is the track that leaves the main track, ending in an industrial park, factory, or warehouse area, or forming a siding along the main track.

**CFCC Description**
B21 Railroad spur track, not in tunnel or underpassing
B22 Railroad spur track, in tunnel
B23 Railroad spur track, underpassing
B29 Railroad spur track, bridge

**Railroad Yard** A railroad yard track has parallel tracks that form a working area for the railroad company. Train cars and engines are repaired, switched, and dispatched from a yard.

**CFCC Description**
B31 Railroad yard track, not in tunnel or underpassing
B32 Railroad yard track, in tunnel
B33 Railroad yard track, underpassing
B39 Railroad yard track, bridge
**Railroad with Special Characteristics** A railroad or portions of a railroad track that are parts of the railroad system and have separately identifiable characteristics.

**CFCC Description**
B40 Railroad ferry crossing, the representation of a route over water used by ships carrying train cars to connecting railroads on opposite shores. These are primarily located on the Great Lakes.

**Railroad as Other Thoroughfare** A rail line that is not part of the railroad system. This category is for a specialized rail line or railway that is typically inaccessible to mainstream railroad traffic.

**CFCC Description**
B50 Other rail line; major category used alone when the minor category could not be determined
B51 Carline, a track for streetcars, trolleys, and other mass transit rail systems; used when the carline is not part of the road right-of-way
B52 Cog railroad, incline railway, or logging tram

**Feature Class H, Hydrography**

**Hydrography Classification Unknown or Not Elsewhere Classified**
Source materials do not allow determination of the hydrographic category.

**CFCC Description**
H00 Water feature, classification unknown or not elsewhere classified

**Basic Hydrography** This category includes shorelines of all water regardless of the classification of the water itself.

**CFCC Description**
H01 Shoreline of perennial water feature
H02 Shoreline of intermittent water feature

**Naturally Flowing Water Features**

**CFCC Description**
H10 Stream or river; major category used when the minor category could not be determined
H11 Perennial stream or river
H12 Intermittent stream, river, or wash
H13 Braided stream or river

**Man-Made Channel to Transport Water** These features are used for purposes such as transportation, irrigation, or navigation.

**CFCC Description**
H20 Canal, ditch, or aqueduct; major category used when the minor category could not be determined
H21 Perennial canal, ditch, or aqueduct
H22 Intermittent canal, ditch, or aqueduct

**Inland Body of Water**

**CFCC Description**
H30 Lake or pond; major category used when the minor category could not be determined
H31 Perennial lake or pond
H32 Intermittent lake or pond

**Man-Made Body of Water**

**CFCC Description**
H40 Reservoir; major category used when the minor category could not be determined
H41 Perennial reservoir
H42 Intermittent reservoir
H43 Treatment pond

**Seaward Body of Water**

**CFCC Description**
H50 Bay, estuary, gulf, sound, sea, or ocean; major category used when the minor category could not be determined
H51 Bay, estuary, gulf, or sound
H53 Sea or ocean

**Body of Water in a Man-Made Excavation**

**CFCC Description**
H60 Gravel pit or quarry filled with water

**Nonvisible Definition Between Water Bodies**
The U.S. Census Bureau digitizes nonvisible definition boundaries to separate named water areas; for instance, an artificial boundary is drawn to separate a named river from the connecting bay.

**CFCC Description**
H70 Nonvisible water area definition boundary; used to separate named water areas and as the major category when the minor category could not be determined
H71 USGS closure line; used as a maritime shoreline
H72 Census water center line; computed to use as a median positional boundary
H73 Census water boundary, international in waterways or at 10-mile limit; used as an area measurement line
H74 Census water boundary separating inland from coastal or Great Lakes; used as an area measurement line
H75 Census water boundary separating coastal water from territorial sea at the 3-mile limit; used as an area measurement line
H76 Artificial path through double line hydrography, from the U.S. Geological Survey feature in the National Hydrography Dataset (NHD)
H77 Artificial path through double line hydrography, from any source other than the U.S. Geological Survey, National Hydrography Dataset

**Special Water Feature** Includes area covered by glaciers or snow fields.

**CFCC Description**
H80 Special water feature; major category used when the minor category could not be determined
H81 Glacier