

Add Health Wave III Road Type Lengths

Filename: w3rtlen

Description

This Add Health dataset contains road type length calculations within radii of 1, 3, 5, and 8.05 kilometers (5 miles) of Wave III respondent locations. The road type length variables are based on the Census Feature Classification Codes (CFCCs) for road types, which Appendix A describes in further detail. Both Waves I and III of the road type length data use the same 1992 CFCCs.

The following list provides a brief summary of the road type length variables that comprise this file:

Total length of all road segments within 1, 3, 5, and 8.05 km (5 miles) of each respondent. Calculations exclude ferry links (CFCCs A65), as they do not represent actual road segments.

Total length of roads for CFCC groups A00-A08, A10-A18, A20-A28, A30-A38, A40-A48, and A60-A64 within 1, 3, 5, and 8.05 km of each respondent.

Proportion of total length of all road segments for CFCC groups A00-A08, A10-A18, A20-A28, A30-A38, A40-A48, and A60-A64 within 1, 3, 5, and 8.05 km of each respondent.

Based on the fact that the total length of all road segments does not exclude non-ferry links that have other CFCCs (e.g., A70, other thoroughfares), the sum of proportions for CFCC groups A00-A08, A10-A18, A20-A28, A30-A38, A40-A48, and A60-A64 may not equal one.

The street networks used for the calculation of road type length variables were extracted from StreetMap Pro (July 2003, v. 5.2) data from Environmental Systems Research Institute (ESRI, www.esri.com) in Redlands, CA. To facilitate processing of the streets data, the streets source data were subset by “chunks” of merged respondent buffers and reprojected to UTM coordinates. The streets for a few chunks required projection corrections to obtain an alignment with digital orthophoto quarter quadrangles.

Variable Listing

Variable Name	Variable Label and Description
W3RT00L1	Length of roads (m), where CFCC equals A00-A08, 1 km
W3RT00L3	Length of roads (m), where CFCC equals A00-A08, 3 km
W3RT00L5	Length of roads (m), where CFCC equals A00-A08, 5 km
W3RT00L8	Length of roads (m), where CFCC equals A00-A08, 8 km
W3RT00P1	Proportion of roads, where CFCC equals A00-A08, 1 km
W3RT00P3	Proportion of roads, where CFCC equals A00-A08, 3 km
W3RT00P5	Proportion of roads, where CFCC equals A00-A08, 5 km
W3RT00P8	Proportion of roads, where CFCC equals A00-A08, 8 km
W3RT10L1	Length of roads (m), where CFCC equals A10-A18, 1 km
W3RT10L3	Length of roads (m), where CFCC equals A10-A18, 3 km
W3RT10L5	Length of roads (m), where CFCC equals A10-A18, 5 km
W3RT10L8	Length of roads (m), where CFCC equals A10-A18, 8 km
W3RT10P1	Proportion of roads, where CFCC equals A10-A18, 1 km

Variable Name	Variable Label and Description
W3RT10P3	Proportion of roads, where CFCC equals A10-A18, 3 km
W3RT10P5	Proportion of roads, where CFCC equals A10-A18, 5 km
W3RT10P8	Proportion of roads, where CFCC equals A10-A18, 8 km
W3RT20L1	Length of roads (m), where CFCC equals A20-A28, 1 km
W3RT20L3	Length of roads (m), where CFCC equals A20-A28, 3 km
W3RT20L5	Length of roads (m), where CFCC equals A20-A28, 5 km
W3RT20L8	Length of roads (m), where CFCC equals A20-A28, 8 km
W3RT20P1	Proportion of roads, where CFCC equals A20-A28, 1 km
W3RT20P3	Proportion of roads, where CFCC equals A20-A28, 3 km
W3RT20P5	Proportion of roads, where CFCC equals A20-A28, 5 km
W3RT20P8	Proportion of roads, where CFCC equals A20-A28, 8 km
W3RT30L1	Length of roads (m), where CFCC equals A30-A38, 1 km
W3RT30L3	Length of roads (m), where CFCC equals A30-A38, 3 km
W3RT30L5	Length of roads (m), where CFCC equals A30-A38, 5 km
W3RT30L8	Length of roads (m), where CFCC equals A30-A38, 8 km
W3RT30P1	Proportion of roads, where CFCC equals A30-A38, 1 km
W3RT30P3	Proportion of roads, where CFCC equals A30-A38, 3 km
W3RT30P5	Proportion of roads, where CFCC equals A30-A38, 5 km
W3RT30P8	Proportion of roads, where CFCC equals A30-A38, 8 km
W3RT40L1	Length of roads (m), where CFCC equals A40-A48, 1 km
W3RT40L3	Length of roads (m), where CFCC equals A40-A48, 3 km
W3RT40L5	Length of roads (m), where CFCC equals A40-A48, 5 km
W3RT40L8	Length of roads (m), where CFCC equals A40-A48, 8 km
W3RT40P1	Proportion of roads, where CFCC equals A40-A48, 1 km
W3RT40P3	Proportion of roads, where CFCC equals A40-A48, 3 km
W3RT40P5	Proportion of roads, where CFCC equals A40-A48, 5 km
W3RT40P8	Proportion of roads, where CFCC equals A40-A48, 8 km
W3RT60L1	Length of roads (m), where CFCC equals A60-A64, 1 km
W3RT60L3	Length of roads (m), where CFCC equals A60-A64, 3 km
W3RT60L5	Length of roads (m), where CFCC equals A60-A64, 5 km
W3RT60L8	Length of roads (m), where CFCC equals A60-A64, 8 km
W3RT60P1	Proportion of roads, where CFCC equals A60-A64, 1 km
W3RT60P3	Proportion of roads, where CFCC equals A60-A64, 3 km
W3RT60P5	Proportion of roads, where CFCC equals A60-A64, 5 km
W3RT60P8	Proportion of roads, where CFCC equals A60-A64, 8 km
W3RTARL1	Length of roads (m), all CFCC road types, 1 km
W3RTARL3	Length of roads (m), all CFCC road types, 3 km
W3RTARL5	Length of roads (m), all CFCC road types, 5 km
W3RTARL8	Length of roads (m), all CFCC road types, 8 km

Appendix A: Census Feature Classification Codes

The following description of the Census Feature Class Codes was excerpted from:
<http://www.census.gov/geo/www/tiger/appendxe.asc>.

TIGER/Line(TM) Files, 1992

Appendix E Census Feature Class Codes (CFCC)

Definition

A 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 are part of the ground transportation network. Thus a road that is also 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(TM) 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.

Feature Classes

Feature Class A, Road

Definitions Applicable to Road

The definition of a divided highway has been the source of considerable discussion. Earlier specifications have defined a "divided" road as having "... opposing traffic lanes that are physically separated by a median strip no less than 70 feet wide in former GBF/DIME areas or no less than 200 feet wide in non-GBF/DIME areas." This definition caused confusion in the proper coding of interstates having narrow medians. To clarify the situation, the Census Bureau now 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 data base as two distinct complete chains. Earlier operations may have depicted widely separated lanes as a single line in the data base or created separate lines when the median was small, depending on the available source used during the update.

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 street car line, or other carline.

Road With Major Category Unknown:

Source materials do not allow determination of the major road category. These codes should not, under most circumstances, be used since the source materials usually provide enough information to determine the major category.

CFCC Description

- A00 Road, major and minor categories unknown
- A01 Road, unseparated
- A02 Road, unseparated, in tunnel
- A03 Road, unseparated, underpassing
- A04 Road, unseparated, with rail line in center
- A05 Road, separated
- A06 Road, separated, in tunnel
- A07 Road, separated, underpassing
- A08 Road, separated, with rail line in center

Primary Highway with Limited Access:

This road is distinguished by the presence of interchanges, access to the highway is by way of ramps, and there are multiple lanes of traffic. A road in this category has the opposing traffic lanes "divided" by a median strip. Interstate highways and some toll highways are in this major category. The TIGER/Line(TM) files may depict the opposing lanes of a road in this category as two distinct lines; in this case the road is called "separated."

CFCC Description

- A10 Primary road with limited access or interstate highway, major category used alone when the minor category could not be determined
- 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

Primary Road without Limited Access:

A road in this major category must be hard surface, that is, concrete or asphalt, and may be divided or undivided and have multi-lane or single lane characteristics. This road has intersections with other roads, usually controlled with traffic lights. This major category includes nationally and regionally important highways that do not have limited access as required by major category A1. Thus, major category A2 includes most U.S. and State highways and some county highways that connect cities and larger towns.

CFCC Description

- A20 Primary road without limited access, U.S. and State highway, major category used alone when the minor category could not be determined
- A21 Primary road without limited access, U.S. and State highways, unseparated
- A22 Primary road without limited access, U.S. and State highways, unseparated, in tunnel
- A23 Primary road without limited access, U.S. and State highways, unseparated, underpassing
- A24 Primary road without limited access, U.S. and State highways, unseparated, with rail line in center
- A25 Primary road without limited access, U.S. and State highways, separated
- A26 Primary road without limited access, U.S. and State highways, separated, in tunnel
- A27 Primary road without limited access, U.S. and State highways, separated, underpassing
- A28 Primary road without limited access, U.S. and State highways, separated, with rail line in center

Secondary and Connecting Road:

A road in this major category must be hard surface, that is, concrete or asphalt, usually undivided with single lane characteristics. This road has intersections with other roads, controlled with traffic lights and stop signs. This major category includes State and county highways that connect smaller towns, subdivisions, and neighborhoods, thus the road is smaller than a road in major category A2. This road, usually with a local name along with a route number, intersects with many other roads and driveways.

CFCC Description

- A30 Secondary and connecting road, State and county highways, major category used alone when the minor category could not be determined
- 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

Local, Neighborhood, and Rural Road:

A road in this major category is used for local traffic, usually with a single lane of traffic in each direction. In an urban area, this 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. In addition, this major category includes scenic park roads, unimproved or unpaved roads, and industrial roads. Most roads in the Nation are classified in this major category.

CFCC Description

- A40 Local, neighborhood, and rural road, city street, major category used alone when the minor category could not be determined
- 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

Vehicular Trail:

A road in this major category is usable only by four-wheel drive vehicles and is usually a one lane, dirt trail. The road is found almost exclusively in a very rural area, 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 major category A4.

CFCC Description

- A50 Vehicular trail, road passable only by four-wheel drive (4WD) vehicle, major category used alone when the minor category could not be determined
- 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:

A road, portion of a road, intersection of a road, or the ends of a road that are parts of the vehicular highway system that have separately identifiable characteristics.

CFCC Description

- A60 Road with characteristic unspecified, major category used alone 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 (the node symbol that appears on some census maps is not included in the TIGER/Line(TM) files)
- A62 Traffic circle, the portion of a road or intersection of roads that form a roundabout (the node symbol that appears on some census maps is not included in the TIGER/Line(TM) files)
- A63 Access ramp, the portion of a road that forms a cloverleaf or limited access interchange (the node symbol that appears on some census maps is not included in the TIGER/Line(TM) files)
- 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 portion of a road over water that consists of ships, carrying automobiles, connecting roads on opposite shores

Road as Other Thoroughfare:

A road that is not part of the vehicular highway system. This road is used by bicyclists or pedestrians and is typically inaccessible to mainstream motor traffic except by service vehicles. A stair and walkway may follow a road right-of-way and be named as if it were a road. This major category includes foot and hiking trails located on park and forest land.

CFCC Description

- A70 Other thoroughfare, major category used alone when the minor category could not be determined
- A71 Walkway, nearly level road 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

Appendix B: Codebook

Wave III - Road Type Length Data
Number of observations: 15,197

AID		Char	Respondent Identifier NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1	0%	10316654	
1	0%	10316952	
1	0%	10506342	
1	0%	10570810	
1	0%	10606128	
15187	100%	Values omitted	Values omitted
1	0%	99886993	
1	0%	99886994	
1	0%	99886995	
1	0%	99886996	
1	0%	99886999	

W3RT00L1		Num	Length of roads (m), where CFCC equals A00-A08, 1 km
Frequency	Percent	Value	Label
14889	98%	0	
308	2%	8	Geocode Missing

W3RT00L3		Num	Length of roads (m), where CFCC equals A00-A08, 3 km
Frequency	Percent	Value	Label
14889	98%	0	

308	2%	8	Geocode Missing
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W3RT00L5		Num	Length of roads (m), where CFCC equals A00-A08, 5 km
Frequency	Percent	Value	Label
14889	98%	0	
308	2%	8	Geocode Missing

W3RT00L8		Num	Length of roads (m), where CFCC equals A00-A08, 8 km
Frequency	Percent	Value	Label
14889	98%	0	
308	2%	8	Geocode Missing

W3RT00P1		Num	Proportion of roads, where CFCC equals A00-A08, 1 km
Frequency	Percent	Value	Label
14889	98%	0	
308	2%	8	Geocode Missing

W3RT00P3		Num	Proportion of roads, where CFCC equals A00-A08, 3 km
Frequency	Percent	Value	Label
14889	98%	0	
308	2%	8	Geocode Missing

W3RT00P5		Num	Proportion of roads, where CFCC equals A00-A08, 5 km
Frequency	Percent	Value	Label
14889	98%	0	
308	2%	8	Geocode Missing

W3RT00P8		Num	Proportion of roads, where CFCC equals A00-A08, 8 km
Frequency	Percent	Value	Label

14889	98%	0	
308	2%	8	Geocode Missing

W3RT10L1		Num	Length of roads (m), where CFCC equals A10-A18, 1 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
10846	71%	0	
1	0%	9	
1	0%	40	
1	0%	44	
1	0%	84	
4034	27%	111-12845	NOTE: Range of values omitted from display
2	0%	13172	
1	0%	13294	
1	0%	14995	
1	0%	15484	
308	2%	99998	Geocode Missing

W3RT10L3		Num	Length of roads (m), where CFCC equals A10-A18, 3 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
5772	38%	0	
1	0%	117	
3	0%	131	
4	0%	136	
1	0%	182	
9104	60%	201-55212	NOTE: Range of values omitted from display
1	0%	55630	

1	0%	55648	
1	0%	55775	
1	0%	67994	
308	2%	99998	Geocode Missing

W3RT10L5		Num	Length of roads (m), where CFCC equals A10-A18, 5 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
3991	26%	0	
2	0%	62	
1	0%	123	
2	0%	134	
2	0%	188	
10887	72%	208-117338	NOTE: Range of values omitted from display
1	0%	118731	
1	0%	120400	
1	0%	126462	
1	0%	133942	
308	2%	999998	Geocode Missing

W3RT10L8		Num	Length of roads (m), where CFCC equals A10-A18, 8 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
2734	18%	0	
1	0%	188	
1	0%	363	
1	0%	425	
1	0%	630	

12147	80%	697-244700	NOTE: Range of values omitted from display
1	0%	245034	
1	0%	245331	
1	0%	246435	
1	0%	255638	
308	2%	999998	Geocode Missing

W3RT10P1		Num	Proportion of roads, where CFCC equals A10-A18, 1 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
10846	71%	0	
1	0%	0.0003	
1	0%	0.0007	
1	0%	0.0012	
1	0%	0.0018	
4034	27%	.0022-.499	NOTE: Range of values omitted from display
1	0%	0.5189	
1	0%	0.5365	
2	0%	0.5752	
1	0%	0.6072	
308	2%	8	Geocode Missing

W3RT10P3		Num	Proportion of roads, where CFCC equals A10-A18, 3 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
5772	38%	0	
1	0%	0.0002	
4	0%	0.0003	

3	0%	0.0004	
1	0%	0.0005	
9103	60%	.0007-.2709	NOTE: Range of values omitted from display
1	0%	0.2732	
2	0%	0.3123	
1	0%	0.3311	
1	0%	0.3392	
308	2%	8	Geocode Missing

W3RT10P5		Num	Proportion of roads, where CFCC equals A10-A18, 5 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
3991	26%	0	
3	0%	0.0001	
4	0%	0.0002	
2	0%	0.0004	
2	0%	0.0005	
10883	72%	.0007-.2529	NOTE: Range of values omitted from display
1	0%	0.2656	
1	0%	0.2719	
1	0%	0.2779	
1	0%	0.3080	
308	2%	8	Geocode Missing

W3RT10P8		Num	Proportion of roads, where CFCC equals A10-A18, 8 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
2734	18%	0	

1	0%	0.0002	
1	0%	0.0003	
1	0%	0.0007	
3	0%	0.0008	
12145	80%	.0009- .1811	NOTE: Range of values omitted from display
1	0%	0.2057	
1	0%	0.2232	
1	0%	0.2359	
1	0%	0.2633	
308	2%	8	Geocode Missing

W3RT20L1		Num	Length of roads (m), where CFCC equals A20-A28, 1 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
10620	70%	0	
1	0%	53	
1	0%	65	
1	0%	90	
1	0%	103	
4261	28%	113- 10927	NOTE: Range of values omitted from display
1	0%	10993	
1	0%	11516	
1	0%	11866	
1	0%	12547	
308	2%	99998	Geocode Missing

W3RT20L3		Num	Length of roads (m), where CFCC equals A20-A28, 3 km NOTE: Smallest 5 and largest 5 values are displayed.
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Frequency	Percent	Value	Label
6306	41%	0	
1	0%	31	
2	0%	58	
1	0%	59	
1	0%	68	
8574	56%	84-50459	NOTE: Range of values omitted from display
1	0%	50467	
1	0%	51054	
1	0%	51270	
1	0%	51841	
308	2%	99998	Geocode Missing

W3RT20L5		Num	Length of roads (m), where CFCC equals A20-A28, 5 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
3645	24%	0	
1	0%	7	
2	0%	20	
1	0%	51	
1	0%	70	
11235	74%	72-94217	NOTE: Range of values omitted from display
1	0%	94222	
1	0%	94283	
1	0%	94395	
1	0%	95416	
308	2%	99998	Geocode Missing

W3RT20L8		Num	Length of roads (m), where CFCC equals A20-A28, 8 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
2068	14%	0	
1	0%	46	
2	0%	70	
1	0%	89	
1	0%	137	
12812	84%	154-179088	NOTE: Range of values omitted from display
1	0%	179782	
1	0%	180165	
1	0%	181461	
1	0%	186190	
308	2%	999998	Geocode Missing

W3RT20P1		Num	Proportion of roads, where CFCC equals A20-A28, 1 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
10620	70%	0	
1	0%	0.0014	
1	0%	0.0016	
3	0%	0.0018	
1	0%	0.0019	
4259	28%	.0022-.5966	NOTE: Range of values omitted from display
1	0%	0.6139	
1	0%	0.6578	
1	0%	0.6684	

1	0%	0.7045	
308	2%	8	Geocode Missing

W3RT20P3		Num	Proportion of roads, where CFCC equals A20-A28, 3 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
6306	41%	0	
2	0%	0.0001	
3	0%	0.0002	
3	0%	0.0003	
7	0%	0.0004	
8564	56%	.0005- .3342	NOTE: Range of values omitted from display
1	0%	0.3476	
1	0%	0.3617	
1	0%	0.3743	
1	0%	0.4005	
308	2%	8	Geocode Missing

W3RT20P5		Num	Proportion of roads, where CFCC equals A20-A28, 5 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
3648	24%	0	
4	0%	0.0001	
4	0%	0.0002	
2	0%	0.0003	
10	0%	0.0004	
11217	74%	.0005- .2349	NOTE: Range of values omitted from display
1	0%	0.2820	

1	0%	0.3067	
1	0%	0.3160	
1	0%	0.3538	
308	2%	8	Geocode Missing

W3RT20P8		Num	Proportion of roads, where CFCC equals A20-A28, 8 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
2070	14%	0	
12	0%	0.0001	
6	0%	0.0002	
6	0%	0.0003	
11	0%	0.0004	
12779	84%	.0005- .1764	NOTE: Range of values omitted from display
2	0%	0.1811	
1	0%	0.2174	
1	0%	0.3125	
1	0%	0.3190	
308	2%	8	Geocode Missing

W3RT30L1		Num	Length of roads (m), where CFCC equals A30-A38, 1 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1908	13%	0	
1	0%	27	
1	0%	34	
2	0%	65	
1	0%	80	

12972	85%	91-25620	NOTE: Range of values omitted from display
1	0%	25735	
1	0%	26385	
1	0%	26890	
1	0%	28147	
308	2%	99998	Geocode Missing

W3RT30L3		Num	Length of roads (m), where CFCC equals A30-A38, 3 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
496	3%	0	
1	0%	34	
1	0%	37	
1	0%	84	
2	0%	94	
14384	95%	207-139448	NOTE: Range of values omitted from display
1	0%	139623	
1	0%	142721	
1	0%	144050	
1	0%	145108	
308	2%	999998	Geocode Missing

W3RT30L5		Num	Length of roads (m), where CFCC equals A30-A38, 5 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
205	1%	0	
1	0%	102	
1	0%	256	

1	0%	273	
5	0%	322	
14672	97%	400-320871	NOTE: Range of values omitted from display
1	0%	327646	
1	0%	328602	
1	0%	329123	
1	0%	329647	
308	2%	999998	Geocode Missing

W3RT30L8		Num	Length of roads (m), where CFCC equals A30-A38, 8 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
64	0%	0	
1	0%	153	
1	0%	217	
1	0%	339	
1	0%	402	
14817	97%	998-640795	NOTE: Range of values omitted from display
1	0%	642856	
1	0%	645011	
1	0%	645107	
1	0%	646918	
308	2%	999998	Geocode Missing

W3RT30P1		Num	Proportion of roads, where CFCC equals A30-A38, 1 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1908	13%	0	

1	0%	0.0008	
1	0%	0.0015	
1	0%	0.0033	
1	0%	0.0034	
12971	85%	.004-.8478	NOTE: Range of values omitted from display
1	0%	0.8685	
2	0%	0.8856	
1	0%	0.9451	
2	0%	1	
308	2%	8	Geocode Missing

W3RT30P3		Num	Proportion of roads, where CFCC equals A30-A38, 3 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
496	3%	0	
1	0%	0.0002	
1	0%	0.0009	
1	0%	0.0012	
2	0%	0.0017	
14384	95%	.0026-.4303	NOTE: Range of values omitted from display
1	0%	0.4329	
1	0%	0.4400	
1	0%	0.4538	
1	0%	0.4561	
308	2%	8	Geocode Missing

W3RT30P5		Num	Proportion of roads, where CFCC equals A30-A38, 5 km NOTE: Smallest 5 and largest 5 values are displayed.
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Frequency	Percent	Value	Label
205	1%	0	
1	0%	0.0005	
1	0%	0.0013	
5	0%	0.0015	
2	0%	0.0021	
14670	97%	.0024-.3786	NOTE: Range of values omitted from display
1	0%	0.3798	
2	0%	0.3833	
1	0%	0.3888	
1	0%	0.5657	
308	2%	8	Geocode Missing

W3RT30P8		Num	Proportion of roads, where CFCC equals A30-A38, 8 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
64	0%	0	
1	0%	0.0004	
1	0%	0.0009	
1	0%	0.0010	
1	0%	0.0016	
14817	97%	.0042-.288	NOTE: Range of values omitted from display
1	0%	0.2927	
1	0%	0.2945	
1	0%	0.2990	
1	0%	0.3734	
308	2%	8	Geocode Missing

W3RT40L1		Num	Length of roads (m), where CFCC equals A40-A48, 1 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
8	0%	0	
1	0%	49	
1	0%	131	
1	0%	183	
1	0%	411	
14871	98%	435-61109	NOTE: Range of values omitted from display
1	0%	61519	
2	0%	61624	
2	0%	62849	
1	0%	69934	
308	2%	99998	Geocode Missing

W3RT40L3		Num	Length of roads (m), where CFCC equals A40-A48, 3 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1	0%	7926	
1	0%	9144	
1	0%	10378	
1	0%	10723	
1	0%	11084	
14880	98%	11620-446836	NOTE: Range of values omitted from display
1	0%	450342	
1	0%	450841	
1	0%	470642	

1	0%	474668	
308	2%	999998	Geocode Missing

W3RT40L5		Num	Length of roads (m), where CFCC equals A40-A48, 5 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1	0%	19625	
1	0%	19835	
1	0%	22862	
1	0%	23267	
1	0%	27690	
14880	98%	28081-1091541	NOTE: Range of values omitted from display
1	0%	1103615	
1	0%	1113554	
1	0%	1132095	
1	0%	1137953	
308	2%	9999998	Geocode Missing

W3RT40L8		Num	Length of roads (m), where CFCC equals A40-A48, 8 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1	0%	41615	
1	0%	43671	
1	0%	45969	
1	0%	49666	
1	0%	63794	
14880	98%	66788-2351253	NOTE: Range of values omitted from display
1	0%	2365118	

1	0%	2384197	
1	0%	2391383	
1	0%	2410214	
308	2%	9999998	Geocode Missing

W3RT40P1		Num	Proportion of roads, where CFCC equals A40-A48, 1 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
8	0%	0	
1	0%	0.0097	
1	0%	0.0520	
1	0%	0.0549	
1	0%	0.0998	
13889	91%	.1063- .9994	NOTE: Range of values omitted from display
9	0%	0.9995	
2	0%	0.9996	
2	0%	0.9997	
975	6%	1	
308	2%	8	Geocode Missing

W3RT40P3		Num	Proportion of roads, where CFCC equals A40-A48, 3 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1	0%	0.2726	
1	0%	0.3037	
1	0%	0.3321	
1	0%	0.3322	
1	0%	0.3355	

14709	97%	.3461-.9975	NOTE: Range of values omitted from display
2	0%	0.9976	
1	0%	0.9980	
1	0%	0.9989	
171	1%	1	
308	2%	8	Geocode Missing

W3RT40P5		Num	Proportion of roads, where CFCC equals A40-A48, 5 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1	0%	0.3765	
1	0%	0.3771	
1	0%	0.3799	
1	0%	0.3872	
3	0%	0.3942	
14823	98%	.4017-.9983	NOTE: Range of values omitted from display
4	0%	0.9985	
3	0%	0.9986	
1	0%	0.9989	
51	0%	1	
308	2%	8	Geocode Missing

W3RT40P8		Num	Proportion of roads, where CFCC equals A40-A48, 8 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1	0%	0.3905	
1	0%	0.3926	
1	0%	0.4409	

1	0%	0.4539	
1	0%	0.4669	
14876	98%	.4699- .9851	NOTE: Range of values omitted from display
1	0%	0.9890	
1	0%	0.9904	
2	0%	0.9943	
4	0%	1	
308	2%	8	Geocode Missing

W3RT60L1		Num	Length of roads (m), where CFCC equals A60-A64, 1 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
6397	42%	0	
2	0%	8	
5	0%	9	
33	0%	10	
7	0%	11	
8441	56%	12- 15105	NOTE: Range of values omitted from display
1	0%	15337	
1	0%	15724	
1	0%	17034	
1	0%	19409	
308	2%	99998	Geocode Missing

W3RT60L3		Num	Length of roads (m), where CFCC equals A60-A64, 3 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
2581	17%	0	

3	0%	10	
1	0%	11	
1	0%	12	
4	0%	13	
12295	81%	15-47751	NOTE: Range of values omitted from display
1	0%	47793	
1	0%	53728	
1	0%	59254	
1	0%	61000	
308	2%	99998	Geocode Missing

W3RT60L5		Num	Length of roads (m), where CFCC equals A60-A64, 5 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1690	11%	0	
1	0%	14	
1	0%	18	
6	0%	21	
1	0%	22	
13186	87%	24-105650	NOTE: Range of values omitted from display
1	0%	107556	
1	0%	110207	
1	0%	110416	
1	0%	127803	
308	2%	999998	Geocode Missing

W3RT60L8		Num	Length of roads (m), where CFCC equals A60-A64, 8 km NOTE: Smallest 5 and largest 5 values are displayed.
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Frequency	Percent	Value	Label
1140	8%	0	
1	0%	10	
2	0%	21	
1	0%	24	
80	1%	25	
13661	90%	29-193999	NOTE: Range of values omitted from display
1	0%	194349	
1	0%	199534	
1	0%	203529	
1	0%	209610	
308	2%	999998	Geocode Missing

W3RT60P1		Num	Proportion of roads, where CFCC equals A60-A64, 1 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
6397	42%	0	
33	0%	0.0002	
57	0%	0.0003	
68	0%	0.0004	
59	0%	0.0005	
8271	54%	.0006-.2813	NOTE: Range of values omitted from display
1	0%	0.2882	
1	0%	0.2894	
1	0%	0.3219	
1	0%	0.4576	
308	2%	8	Geocode Missing

W3RT60P3		Num	Proportion of roads, where CFCC equals A60-A64, 3 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
2585	17%	0	
26	0%	0.0001	
40	0%	0.0002	
55	0%	0.0003	
44	0%	0.0004	
12135	80%	.0005- .1615	NOTE: Range of values omitted from display
1	0%	0.1698	
1	0%	0.1731	
1	0%	0.1735	
1	0%	0.1925	
308	2%	8	Geocode Missing

W3RT60P5		Num	Proportion of roads, where CFCC equals A60-A64, 5 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1690	11%	0	
86	1%	0.0001	
45	0%	0.0002	
49	0%	0.0003	
57	0%	0.0004	
12957	85%	.0005- .1129	NOTE: Range of values omitted from display
1	0%	0.1131	
1	0%	0.1196	
2	0%	0.1404	

1	0%	0.1593	
308	2%	8	Geocode Missing

W3RT60P8		Num	Proportion of roads, where CFCC equals A60-A64, 8 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1160	8%	0	
166	1%	0.0001	
35	0%	0.0002	
29	0%	0.0003	
30	0%	0.0004	
13464	89%	.0005-.088	NOTE: Range of values omitted from display
2	0%	0.0906	
1	0%	0.0941	
1	0%	0.0992	
1	0%	0.1187	
308	2%	8	Geocode Missing

W3RTARL1		Num	Length of roads (m), all CFCC road types, 1 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1	0%	1277	
3	0%	2102	
1	0%	2170	
1	0%	2314	
1	0%	2322	
14877	98%	2378-82893	NOTE: Range of values omitted from display
1	0%	86521	

2	0%	1638360	
1	0%	3640105	
1	0%	5587170	
308	2%	9999998	Geocode Missing

W3RTARL3		Num	Length of roads (m), all CFCC road types, 3 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1	0%	12115	
1	0%	13710	
1	0%	13755	
5	0%	13884	
1	0%	13888	
14876	98%	13913-609078	NOTE: Range of values omitted from display
1	0%	627966	
1	0%	635587	
1	0%	642418	
1	0%	650442	
308	2%	999998	Geocode Missing

W3RTARL5		Num	Length of roads (m), all CFCC road types, 5 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1	0%	28168	
1	0%	29074	
6	0%	29180	
1	0%	30508	
1	0%	30814	

14875	98%	32743-1473424	NOTE: Range of values omitted from display
1	0%	1484805	
1	0%	1501938	
1	0%	1521649	
1	0%	1615557	
308	2%	9999998	Geocode Missing

W3RTARL8		Num	Length of roads (m), all CFCC road types, 8 km NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1	0%	63520	
1	0%	76323	
1	0%	76865	
1	0%	98458	
1	0%	106578	
14880	98%	107185-3417759	NOTE: Range of values omitted from display
1	0%	3418781	
1	0%	3419242	
1	0%	3428693	
1	0%	3661312	
308	2%	9999998	Geocode Missing