![ArcGIS StreetMap Premium North America — esri THE SCIENCE OF WHERE]

2024 Release 2

ArcGIS StreetMap Premium Custom Roads Quick-Start Guide for ArcGIS Pro and ArcGIS Enterprise

Prerequisites

Before using the ArcGIS® StreetMap™ Premium Custom Roads North America 2024 Release 2 dataset, you must ensure that you have the correct versions of [ArcGIS Pro](#) or [ArcGIS Enterprise](#) installed for the StreetMap Premium components that you want to use. See the table below for a summary of prerequisites. **Note that there was not a 2024 Release 1 version released.**

StreetMap Premium Component	Software
FGDB and VTPK datasets for mapping and routing, and locators for geocoding	ArcGIS Pro 3.2.2 or later; ArcGIS Enterprise 11.1 or later

See https://links.esri.com/streetmap-premium/2024/sys-reqs

Creating mobile map packages with the [Create Mobile Map Package tool](#) in ArcGIS Pro 3.2.2 or later will result in .mmpk files where geocoding is only supported in the following versions:

1. ArcGIS Navigator iOS (22.1.0) or ArcGIS Navigator Android (22.1.0).
2. ArcGIS Runtime 100.14.1 or later.

Check the [Release Notes](#) on the ArcGIS StreetMap Premium website that highlight some general information about ArcGIS StreetMap Premium Custom Roads North America 2024 Release 2 as well as the changes between 2024 Release 2 and 2023 Release 4.

To check for any patches that may be related to this version of ArcGIS StreetMap Premium Custom Roads, see [Patches for ArcGIS StreetMap Premium](#) on the ArcGIS StreetMap Premium website.

For additional information on supported software for ArcGIS StreetMap Premium Custom Roads, see [System Requirements for ArcGIS StreetMap Premium](#) on the ArcGIS StreetMap Premium website.

Setting up ArcGIS StreetMap Premium Custom Roads

ArcGIS StreetMap Premium Custom Roads North America 2024 Release 2 includes the following content:

- **NA_2024R2_Custom_Roads_Documentation.7z**- ArcGIS_StreetMap_Premium_Custom_Roads_Pro32, QuickStartGuide, and Release Notes PDF files, Readme.txt file, and Esri User License Agreement link

- **NA_2024R2_Custom_Roads_FGDB_VTPK.7z.[001…00n]**-File geodatabase (.gdb), vector tile package (.vtpk) and project file (.aprx) folder
- **NA_2024R2_Custom_Roads_Locators.7z**-Locators folder

Depending on your software, these steps are required before you start using ArcGIS StreetMap Premium Custom Roads:

1. Copying ArcGIS StreetMap Premium Custom Roads data to your hard drive
2. Authorizing the StreetMap Premium extension for ArcGIS Pro
3. Authorizing the StreetMap Premium extension for ArcGIS Enterprise

Step 1: Copying ArcGIS StreetMap Premium Custom Roads data to your hard drive

a. Create a new folder on your hard drive (for example, C:\StreetMap Premium Custom Roads). If you plan on working with several StreetMap Premium Custom Roads datasets, you should be more descriptive when naming the new folder. For example, you could use the geographic area or version number of the dataset as part of the folder name.

b. For the StreetMap Premium Custom Roads documentation, download the file named **NA_2024R2_Custom_Roads_Documentation.7z** from My Esri (or copy from the flash drive) to the new folder on your hard drive. Then, browse to the new folder using My Computer or Windows Explorer. If you do not already have 7-zip installed on your computer, you will need to install this free software from https://www.7-zip.org/. Once 7-zip is installed on your computer, unzip **NA_2024R2_Custom_Roads_Documentation.7z**. There will be the ArcGIS_StreetMap_Premium_Custom_Roads_Pro32, QuickStart Guide, and Release Notes PDF files as well as the Readme.txt file, and Esri User License Agreement link.

c. The FGDB and VTPK datasets are split into several files due to their large data sizes. First, download all files named **NA_2024R2_Custom_Roads_FGDB_VTPK.7z.[001…00n]** from My Esri (or copy them from the flash drive) to the new folder on your hard drive. Then, browse to the new folder using My Computer or Windows Explorer. Unzip the first file with the "001" file extension, and the rest of the numbered files will automatically unzip with it. There will be one \FGDB_VTPK folder created, which could take about 30 minutes, depending on your computer. **All of the files named NA_2024R2_Custom_Roads_FGDB_VTPK.7z.[001…00n] must be downloaded (or copied) onto your hard drive and unzipped in order for the FGDB and VTPK datasets to function correctly.**

2024 Release 2

Notes:

- For help finding and downloading the StreetMap Premium Custom Roads product components on My Esri, see the [StreetMap Premium Custom Roads download installation guide](#).
- The FGDB network dataset can only be accessed with ArcGIS Pro 3.2.2 or later or ArcGIS Enterprise 11.1 or later.
- The FGDB dataset is provided in **Read-Only** format. After you copy the data to a local drive, set the data (.gdb and .aprx) to a nonrestricted or non-read-only setting before beginning any editing.
- For information on editing the network dataset and restriction attributes in ArcGIS, review the **ArcGIS_StreetMap_Premium_Custom_Roads_Pro32.pdf** file.
- The network dataset (Routing_ND) is protected with the ArcGIS StreetMap Premium extension, therefore, you cannot do any routing analyses or rebuild the network dataset without authorizing this extension.

d. To use the locators for geocoding, first, download the file named **NA_2024R2_Custom_Roads_Locators.7z** from [My Esri](#) (or copy it from the flash drive) to the new folder on your hard drive. Then, browse to the new folder using My Computer or Windows Explorer. Unzip the file. There will be one \Locators folder created containing all the locator files for North America. For information on using the locators for geocoding, see [Use the locators](#).

Step 2: Authorizing the StreetMap Premium extension for ArcGIS Pro

When you purchase ArcGIS StreetMap Premium Custom Roads North America, the StreetMap Premium North America extension will be downloadable from your My Esri account. You must download and install this extension before using the ArcGIS StreetMap Premium Custom Roads data. See [StreetMap Premium licensing requirements](#) on the ArcGIS StreetMap Premium website for information about licensing.

Using the Custom Roads dataset in ArcGIS Pro requires a StreetMap Premium extension. To check for the extension, from the ArcGIS Pro home page, browse to Settings > Licensing > ArcGIS Pro Extensions to view the list of extensions, or if you already have an ArcGIS Pro project (.aprx) open, browse to Project > Licensing > ArcGIS Pro Extensions to view the list of extensions. Extensions that are grayed out are not available. Check with your organization's license administrator, your [My Esri](#) account, or Esri Customer Service if you do not have the ArcGIS Pro StreetMap Premium North America extension authorization file. For help finding and downloading your StreetMap Premium extension authorization file on My Esri, see the [StreetMap Premium Custom Roads download installation guide.](#)

2024 Release 2

Step 3: Authorizing the StreetMap Premium extension for ArcGIS Enterprise

If you have not already installed or authorized your ArcGIS Enterprise software, refer to the ArcGIS Enterprise installation and deployment help.

ArcGIS Enterprise version 11.1 or later (Windows and Linux)

Use of the StreetMap Premium Custom Roads network dataset and locators in services require ArcGIS Enterprise 11.1 or later. In addition, it is necessary to have both an ArcGIS Pro and an ArcGIS Enterprise StreetMap Premium extension. Install the ArcGIS Enterprise StreetMap Premium North America extension with your authorization file using the Software Authorization for ArcGIS Server Wizard prior to publishing any services through ArcGIS Pro. Check with your organization's license administrator or Esri Customer Service if you do not have either the ArcGIS Pro StreetMap Premium North America extension or the ArcGIS Enterprise StreetMap Premium North America authorization file.

Notes:

ArcGIS Enterprise users may benefit from increased routing service performance over large geographic areas by converting the StreetMap Premium Custom Roads network dataset in file geodatabase format (.gdb) to an SQLite mobile geodatabase format prior to publishing a routing service. The .gdb format is converted to the uncompressed mobile geodatabase format when creating a mobile map package in ArcGIS Pro.

To extract the network dataset from the mobile map package, import your mobile map package into ArcGIS Pro by clicking the Insert tab, and clicking Import Map. Then, browse to your mobile map package location to select it. After the mobile map package has been imported, it is located here (by default): C:\Users\<username>\Documents\ArcGIS\Packages\<mobile map package name>.

The network dataset in mobile geodatabase format consists of the <Region>.tn folder and the <Region>.geodatabase file. When publishing a routing service using the Publish Routing Services utility, specify the pathname to the <Region>.geodatabase for the network dataset input parameter (-n). See the Publish Routing Services utility for command syntax and additional parameters.

More information about ArcGIS StreetMap Premium Custom Roads

For information about using StreetMap Premium Custom Roads for display, routing, and geocoding, visit StreetMap Premium Custom Roads on the ArcGIS StreetMap Premium website.