



RELEASE NOTES

These release notes highlight some general information about ArcGIS® StreetMap™ Premium Custom Roads North America 2022 Release 2 as well as the changes between 2022 Release 2 and 2022 Release

1. **Also, see the File Geodatabase Mapping Layers Deprecation Notice at the end of this document.**

System Requirements:

StreetMap Premium Component	Software
FGDB dataset for mapping and routing, and locators for geocoding	ArcGIS Pro 2.9.3 or later ArcGIS Enterprise 10.8.1 or later

See the ArcGIS Runtime software requirements for prerequisites for creating mobile map packages (.mmpk) from the Custom Roads data.

See <https://links.esri.com/streetmap-premium/2022/sys-reqs>

Patches (strongly recommended):

- a. **10.8.1 Portal for ArcGIS Enterprise Sites Patch 3** for addressing issues with secured services in ArcGIS Enterprise Sites and downloading hosted feature services anonymously. This patch is inclusive of Portal for ArcGIS 10.8.1 Enterprise Sites Patch 1 and 2.
See <https://links.esri.com/streetmap-premium/2022/current-patches>
- b. **10.8.1 and 10.9 ArcGIS Server Orphaned Processes Patch** for addressing an issue with Windows operating systems that leaves processes orphaned during shutdown or other system operations.
See <https://links.esri.com/streetmap-premium/2022/current-patches>
- c. **10.8 Portal for ArcGIS Enterprise Sites Patch 1** for addressing issues with secured services in ArcGIS Enterprise Sites and downloading hosted feature services anonymously.
See <https://links.esri.com/streetmap-premium/2022/current-patches>
- d. **ArcGIS Server 10.9.1 Setup Program Patch** for addressing an unintended behavior of the setup program that installs the software on Windows operating systems.
See <https://links.esri.com/streetmap-premium/2022/current-patches>
- e. **ArcGIS Server 10.9.1 Vehicle Routing Problem Geometry Patch** for addressing an issue where the geometry generated by a Vehicle Routing Problem service might not match with the attributes of the routes for certain requests.
See <https://links.esri.com/streetmap-premium/2022/current-patches>



- f. **ArcGIS (Desktop, Engine, Server) General Raster Security Patch** for addressing a security vulnerability found in ArcGIS.
See <https://links.esri.com/streetmap-premium/2022/current-patches>
- g. **ArcGIS Server Security 2021 Update 1 Patch** for addressing multiple security vulnerabilities found in ArcGIS Server.
See <https://links.esri.com/streetmap-premium/2022/current-patches>
- h. **Portal for ArcGIS Security 2021 Update 1 Patch** for addressing multiple security vulnerabilities found in Portal for ArcGIS.
See <https://links.esri.com/streetmap-premium/2022/current-patches>
- i. **ArcGIS Server Security 2021 Update 2 Patch** for addressing multiple security vulnerabilities found in ArcGIS Server.
See <https://links.esri.com/streetmap-premium/2022/current-patches>

Media Contents:

- a. **ArcGIS_StreetMap_Premium_Custom_Roads_Pro29.pdf, Release Notes and ReadMe.txt** – Documentation
- b. **FGDB_VTPK** - File geodatabase (.gdb), vector tile package (.vtpk) and project file (.aprx) folder
- c. **Locators** - Locators folder

Refer to **ArcGIS_StreetMap_Premium_Custom_Roads_Pro29.pdf** and **ReadMe.txt** for more information.

Data Size:

	2022R2	2022R1
FGDB_VTPK dataset	79.8 GB	79.4 GB
Locators	24.8 GB	23.7 GB
Total	104.6 GB	103.1 GB



Dataset Changes:

FGDB

- a. Dataset based on HERE 2022 Q1 vintage.
- b. ArcGIS Pro project file (.aprx) is provided in ArcGIS Pro 2.9.3 version only for use with 2.9 or later versions.
- c. The Custom Roads file geodatabase requires the StreetMap Premium North America extension for rebuilding the network dataset and Network Analyst functions.

Point Feature Classes

- d. No changes

Line Feature Classes

- e. No changes

Polygon Feature Classes

- f. No changes

Tables

- g. No changes

Refer to [ArcGIS_StreetMap_Premium_Custom_Roads_Pro29.pdf](#) for more information.

Locator Changes:

- a. CntryName (alias CountryName) output field added.
- b. The default Minimum Match Score (MMS) changes from 60 to 75 and the default Minimum Candidate Score (MCS) changes from 60 to 70 for all locators to eliminate more false positive matches, especially for point address and street address matches. This is consistent with the same change made in the April 2021 Release of the ArcGIS Online World Geocoding Service. Note that some valid postal and locality matches may be missed with these higher MMS and MCS, although you may change the scores back to 60 in the [locator properties](#). A fix to address this issue of lost postal and locality matches is available with the ArcGIS Pro 2.8 release (released in May 2021), the ArcGIS Enterprise/Server 10.9.1 release (released in November 2021), and in the June 2021 Release of the ArcGIS Online World Geocoding Service.



- c. New authoritative address data source added for Canada from provider Lightbox.
- d. New authoritative address data source added for the U.S. Virgin Islands.
- e. Additional source data updates for USA provided by the GIS user community through the Community Addresses program.

Refer to the Geocoding section ‘Geocoding with StreetMap Premium locators’ in the Help.htm of the standard StreetMap Premium release or <https://links.esri.com/streetmap-premium/locators> for more information.

Routing/Network Dataset Changes:

DrivingSide (DRIVING_SIDE) descriptor attribute added to network attributes. LeftDrivingSide descriptor attribute dropped.

Refer to ArcGIS_StreetMap_Premium_Custom_Roads_Pro29.pdf for more information.

Deprecations:

LeftDrivingSide network dataset descriptor attribute deprecated.

File Geodatabase Mapping Layers Deprecation Notice

Starting the fourth quarter of 2022, the file geodatabase mapping layers will no longer be included as part of ArcGIS StreetMap Premium Custom Roads. This will impact you if you use a workflow dependent on these mapping layers to create mobile map packages. Current releases have both the mapping layers and the vector tile package. The vector tile package is the replacement for the file geodatabase mapping layers. The main benefit of this change is that the map Navigation with Custom Streets (vtpk) performs better than the file geodatabase (.gdb) mapping layers across different products and is consistent with the Esri Navigation basemap on ArcGIS Online.

The following releases will be the last release of the file geodatabase mapping layers in ArcGIS StreetMap Premium Custom Roads.



Region	Final Release Version	Final Release Date
Middle East and Africa	2021 R1	Q1 2022
Europe	2022 R1	Q2 2022
North America	2022 R2	Q3 2022
Asia Pacific	2022 R1	Q3 2022
Latin America	2022 R1	Q3 2022