ArcGIS StreetMap Premium
North America

esri
THE SCIENCE OF WHERE®

2021 Release 3   24 August 2021

RELEASE NOTES

These release notes highlight some general information about ArcGIS StreetMap Premium Custom Roads North America 2021 Release 3 as well as the changes between 2021 Release 3 and 2021 Release 2. **See the Classic Locator Deprecation Notice at the end of this document.**

1) **System Requirements:**

StreetMap Premium Component	Software
FGDB dataset for mapping and routing, and locators for geocoding	ArcGIS Pro 2.8 or later ArcGIS Enterprise 10.7.1 or later

See https://links.esri.com/streetmap-premium/2021/sys-reqs

Note: The classic locators are deprecated. (See the classic locator deprecation notice.) The new locators are built like the ones used for the ArcGIS Online World Geocoding Service. When using these new locators, it is always highly recommended that you run the most recent releases of ArcGIS Pro and/or ArcGIS Enterprise.

2) **Patches (strongly recommended):**
   - **10.7.1 Portal for ArcGIS Security 2020 Update 2 Patch** for addressing multiple security vulnerabilities found in Portal for ArcGIS.
     See https://links.esri.com/streetmap-premium/2021/current-patches
   - **10.7.1 ArcGIS Server Security 2020 Update 1 Patch** for addressing a security vulnerability found in ArcGIS Server.
     See https://links.esri.com/streetmap-premium/2021/current-patches
   - **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/2021/current-patches
   - **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/2021/current-patches
   - **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/2021/current-patches

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

3) <u>**Media Contents:**</u>
   a. **ArcGIS_StreetMap_Premium_Custom_Roads_Pro28.pdf, Release Notes** and **ReadMe.txt** - Documentation
   b. **FGDB_VTPK** - File geodatabase, vector tile package and project file (.aprx) folder
   c. **NewLocators** - NewLocators folder

   Refer to ArcGIS_StreetMap_Premium_Custom_Roads_Pro28.pdf and ReadMe.txt for more information.

4) <u>**Data Size:**</u>

2021R3:	95.7GB;	2021R2:	93.1GB
a. FGDB_VTPK dataset	72.4GB;		71.3GB
b. New Locators	23.3GB;		21.8GB

5) <u>**Dataset Changes:**</u>
   FGDB
   i. Dataset based on HERE 2021 Q2 vintage
   ii. ArcGIS Pro project file (.aprx) is provided in ArcGIS Pro 2.8.1 version only for use with 2.8 or later versions.
   iii. The Custom Roads file geodatabase requires the StreetMap Premium North America extension for rebuilding the network dataset and Network Analyst functions.

Point Feature Classes
    iv. No changes
Line Feature Classes
    v. No changes
Polygon Feature Classes
    vi. No changes
Tables
    vii. No changes

Refer to ArcGIS_StreetMap_Premium_Custom_Roads_Pro28.pdf for more information.

6) **Locator Changes:**

a. 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 users may change the scores back to 60 in the locator properties, if desired. 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 (scheduled to release in Q4 2021), and in the June 2021 Release of the ArcGIS Online World Geocoding Service.

b. Locator properties include support for custom intersection connectors for single-country locators, as well as preferred city names and preferred street names.

c. Block range search functionality added for USA locator for suggestions, single-line search and batch geocoding, for example, '600 Block New York Street, Redlands, CA'.

d. Source data updates for Washington, DC, updates for USA including data provided by Infutor (subaddress and point address data), airport data for USA and territories by Federal Aviation Administration (FAA), and the GIS user community through the Community Maps for Addresses program.

Refer to the Geocoding addresses section 'About the new address locators for geocoding' in the Help.htm or https://links.esri.com/streetmap-premium/new-locators **for more information.**

7) **Routing/Network Dataset Changes:**

    a. DrivingSide (DRIVING_SIDE) descriptor attribute added to network attributes and will replace LeftDrivingSide descriptor attribute that will be deprecated in a future release.

    b. The default elevation value of the F_ZLEV/T_ZLEV attributes in Custom_Streets and Routing_Streets feature classes has changed from 0 to <Null> values.

    Refer to ArcGIS_StreetMap_Premium_Custom_Roads_Pro28.pdf for more information.

8) **Deprecations:**

Classic Locators Deprecation Notice

Starting the first quarter of 2021, the classic locators will be phased out and will no longer be included as part of ArcGIS StreetMap Premium. This will impact you if you use ArcMap, older versions of ArcGIS Enterprise, or have a custom workflow dependent on these locators. While Esri will continue to include the classic locators in the product until 2021, only the underlying data will be updated, and there will be no further enhancements to the locators. **Classic locators are not supported in ArcGIS Enterprise 10.9.**

The following releases will be the last release of the classic locators in ArcGIS StreetMap Premium.

Region	Final Release Version	Final Release Date
Middle East and Africa	2020 R1	Q1 2021
North America	2021 R1	Q2 2021
Europe	2021 R1	Q2 2021
Asia Pacific	2021 R1	Q3 2021
Latin America	2021 R1	Q3 2021