



RELEASE NOTES

These release notes highlight some general information about SMP for ArcGIS North America 2019 Release 1 as well as the changes between 2019 Release 1 and 2018 Release 3.

1) System Requirements:

StreetMap Premium Component	Software
FGDB dataset for mapping and routing, and classic locators for geocoding	ArcGIS Desktop or ArcGIS Server 10.5.1 or later ArcGIS Pro 2.2.4 or later
New locators for geocoding	ArcGIS Enterprise 10.6 or later ArcGIS Pro 2.2.4 or later

See <http://links.esri.com/streetmap-premium/2019/sys-reqs>

Note: There are now two different sets of locators included in StreetMap Premium. The classic locators are the ones that have been included with StreetMap Premium over the last few years. The new locators are a new style of locators identical to the ones used for the ArcGIS Online World Geocoding Service. However, since StreetMap Premium utilizes primarily HERE data for the source of address data, and the ArcGIS Online World Geocoding Service utilizes HERE data plus other vendors or public sources of information, some countries' geocoding results may vary. 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 and Service Packs (strongly recommended):

- **10.5.1 ArcGIS Server Improper Access Control Security Patch** for addressing a specific access control vulnerability found in ArcGIS Server
See <http://links.esri.com/streetmap-premium/2019/current-patches-and-service-packs>
- **10.6 ArcGIS Server Improper Access Control Security Patch** for addressing a specific access control vulnerability found in ArcGIS Server
See <http://links.esri.com/streetmap-premium/2019/current-patches-and-service-packs>
- **10.6.1 ArcGIS Server Pre-Planned Routes Patch** for addressing an issue with route layers created with the Share as Route Layers geoprocessing tool in ArcGIS Pro.
See <http://links.esri.com/streetmap-premium/2019/current-patches-and-service-packs>



3) My Esri Download or Media Contents:

- a. **NA_2019R1_Documentation.7z** - Documentation folder (contains Help.htm) QuickStartGuide and Release Notes files
- b. **NA_2019R1_FGDB.7z.[001...00n]** - MXD and StreetMap_Data folders
- c. **NA_2019R1_ClassicLocators.7z.[001...00n]** - ClassicLocators folder
- d. **NA_2019R1_NewLocators.7z** - NewLocators folder

Refer to the QuickStartGuide.pdf for more information.

4) Data Size:

<u>2019R1:</u>		<u>2018R3:</u>	
a.	FGDB dataset	59.8GB;	57.6GB
b.	Classic Locators	21.8GB;	21.6GB
c.	New Locators	20.9GB;	20.5GB
		17.1GB	15.5GB

5) Dataset Changes:

FGDB

- i. Dataset based on HERE 2018 Q4 vintage
- ii. Map Document (MXD) is provided in ArcGIS 10.5.1 version only for use with 10.5.1 or later versions. MXD file name changed from HERE_NA.mxd to NorthAmerica.mxd to match file geodatabase name.

Point Feature Classes

- iii. No changes

Line Feature Classes

- iv. **MapHighways** attributes
Added: ORDER1_ABBR
- v. **MapMajorRoads** attributes
Added: ORDER1_ABBR
- vi. **MapMotorways** attributes
Added: ORDER1_ABBR
- vii. **Routing_Streets** attributes
Added: SUPPLEMENTAL_GEO_BITSET; FT/TF_RST_SPEED_LIMIT;
ADMIN1_ABBR



- viii. **Streets** attributes
Added: SUPPLEMENTAL_GEO_BITSET; ORDER1_ABBR
- ix. **Streetscarto** attributes
Added: ORDER1_ABBR

Polygon Feature Classes

- x. No changes

Tables

- xi. **Profiles** attributes
Removed: PROFILE_ID

Refer to the Data Dictionary section in the Help.htm for more information.

6) Locator Changes:

- a. Locator 7-zip files on My Esri download page or shipped media now contain all locator files/all extensions. Esri Customer Service will no longer email a separate .zip file containing the locator files with *.loc extensions.
- b. New locators based on HERE Q418 vintage added:
 - i. CAN.loc
 - ii. MEX.loc
 - iii. NorthAmerica.loc – includes ASM, CAN, GUM, MEX, MNP, PRI, SPM, UMI, USA, VIR
 - iv. USA.loc – includes ASM, GUM, MNP, PRI, UMI, USA, VIR
- c. Community Maps for Addresses data added to the locator reference data.

Refer to the Geocoding addresses section ‘About the new address locators for geocoding’ in the Help.htm for more information.



7) Routing/Network Dataset Changes:

- a. 'TravelTime Speed Limit' descriptor attribute added. Using ArcGIS 10.6 or later or ArcGIS Pro 2.1 or later, if a descriptor attribute has the same name as a traffic evaluator cost attribute followed by the words 'Speed Limit' (for example, a cost attribute named 'TravelTime' has an associated descriptor attribute named 'TravelTime Speed Limit'), then the edge traffic evaluators on the cost attribute will return travel times that are limited to the speed specified in the descriptor attribute. These values take into account the posted legal speed limits for each roadway.

- b. Network field evaluators are now defined using Python expressions rather than VBScript expressions for Linux users.

- c. Truck Speed Limit attributes (Routing_Streets.FT/TF_RST_TRUCK_SPEED_LIMIT and Streets.FT/TF_TruckSpeedLimit) for TruckTravelTime cost attribute revised from:

From Truck Speed Limit is the slowest value between [F_RCAT25_48] and [JurisdictionalTruckSpeed];

Toward Truck Speed Limit is the slowest value between [T_RCAT25_48] and [JurisdictionalTruckSpeed];

to:

From Truck Speed Limit is the slowest value between [F_RCAT25_48], [JurisdictionalTruckSpeed], and [FROM_REF_SPEED_LIMIT];

Toward Truck Speed Limit is the slowest value between [T_RCAT25_48], [JurisdictionalTruckSpeed], and [TO_REF_SPEED_LIMIT]

so that truck speeds are capped/do not exceed the general speed limit of roadways.

- d. Routing_Streets.ROAD_CLASS and Streets.ROAD_CL attributes for roundabouts (value = 5) now derived from the Streets feature class attribute INTERSECTION_CATEGORY = 4 (Roundabout) or 6 (Special Traffic Figure) instead of from attribute Roundabout = 'Y'.

Refer to the Routing section 'About the routing services' in the Help.htm for more information.



8) **Deprecations:**

None