

RELEASE NOTES

These release notes highlight some general information about SMP for ArcGIS North America HERE 2018 Release 1 as well as the changes between 2018 Release 1 and 2017 Release 3.

1) System Requirements:

- ArcGIS Desktop or ArcGIS Server 10.5.1 or later
- ArcGIS Pro 2.1 or later

See <http://links.esri.com/streetmap-premium/2018/sys-reqs>

2) Patches and Service Packs (strongly recommended):

- See <http://links.esri.com/streetmap-premium/2018/current-patches-and-service-packs>

3) My Esri Download or Media Contents:

- a. **NAHR_2018R1_Documentation.7z** - Documentation folder (contains Help.htm) QuickStartGuide and Release Notes files
- b. **NAHR_2018R1_FGDB.7z.[001...00n]** - MXD and StreetMap_Data folders
- c. **NAHR_2018R1_Locators.7z.[001...00n]** - Locators folder with *.lox and *.loc.xml files; *does not contain the *.loc files which are sent by Esri Customer Service (depending on the geography licensed) along with the product license file.*

Refer to the QuickStartGuide.pdf for more information.

4) Data Size:

| | | | |
|-----------------|---------|----------------|--------|
| <u>2018R1:</u> | 41.7GB; | <u>2017R3:</u> | 40.5GB |
| a. FGDB dataset | 21.3GB; | | 20.8GB |
| b. Locators | 20.4GB; | | 19.7GB |

5) Dataset Changes:**FGDB**

- i. Dataset based on HERE 2017 Q4 vintage
- ii. Map Document (MXD) is provided in ArcGIS 10.5.1 version only for use with 10.5.1 or later versions.

Point Feature Classes

- iii. No changes

Line Feature Classes

- iv. **Routing_Streets** feature class
 1. Renamed: FT/TF_RST_KINGPIN_REAR_AXLE_LENGTH to FT/TF_RST_KINGPIN_REAR_AXL_LENGTH
 2. Renamed: RST_TOLL_ROAD_AUTOMOBILE to RST_TOLL_ROAD_AUTOMOBILES
 3. FT/TF_RST_TRUCK_SPEED_LIMIT – Long(4) to Short(2)
- v. **Streets** feature class
 1. Added: FT/TF_TruckSpeedLimit
 2. KPH – Long(4) to Short(2)
 3. FT/TF_AverageSpeed – Double(8) to Float(4)
 4. JurisdictionalTruckSpeed – Long(4) to Short(2)
 5. F/T_RCAT25_48 – Long(4) to Short(2)
 6. FT/TF_TruckKPH – Double(8) to Float(4)

Polygon Feature Classes

- vi. No changes

Tables

- vii. No changes

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

6) Locator Changes:

CAN – CAN_PointAddress and CAN_StreetAddress locators now return the 6-digit postal code (FSALDU) as part of the match address ('Match_addr' field), where available. If the 6-digit postal code is not available, the 3-digit postal code (FSA) is returned. The 'Postal' field holds either the 6-digit or 3-digit postal code from the match address, while the 'PostalExt' field is not used for output.

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

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

- a. Added ‘TruckMinutes’ impedance/cost attribute. The calculation logic of the ‘TruckTravelTime’ impedance has been moved to the ‘TruckMinutes’ impedance.

With this 2018 SMP release and using ArcGIS 10.6 or later, when a start time is specified, the new calculation logic of the ‘TruckTravelTime’ impedance uses a combination of historic traffic information and jurisdictional truck speed limits to give more realistic travel times. If a start time is not specified, the ‘TruckTravelTime’ impedance will fall back to the ‘TruckMinutes’ impedance logic.

With previous 2017 SMP releases and/or using ArcGIS 10.5.1 or earlier, when a start time is specified, the ‘TruckTravelTime’ uses the historic traffic information for automobiles, which is less realistic. In this case it is recommended to use the ‘TruckMinutes’ impedance instead. If a start time is not specified, the ‘TruckTravelTime’ impedance will fall back to the ‘TruckMinutes’ impedance logic.

- b. Added ‘Vehicle Maximum Speed (km/h)’ parameter to ‘TravelTime’ and ‘TruckTravelTime’ cost attributes that allows for manually setting a maximum speed limit for vehicles.

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

8) **Deprecations:**

None