

## **RELEASE NOTES**

These release notes highlight some general information about SMP for ArcGIS Asia Pacific HERE (APHR) 2017 Release 1 as well as the changes between 2017 Release 1 and 2016 Release 1. See the additional **StreetMap Premium for ArcGIS 2017 Release 1 Network Dataset Changes** section at the end of this document as the network dataset is now the same as the network dataset in the StreetMap Premium mobile map packages (available through ArcGIS Pro or ArcGIS Online).

### **1) System Requirements:**

- ArcGIS Desktop or ArcGIS Server 10.4.1 or later  
See <http://links.esri.com/streetmap-premium/2017/sys-reqs>

### **2) Patches and Service Packs (strongly recommended):**

- **10.4.1 Geocoding General Maintenance Patch** for addressing performance and stability issues when geocoding with ArcGIS Desktop, Engine, and Server  
See <http://links.esri.com/streetmap-premium/2017/current-patches-and-service-packs>

### **3) My Esri Download or Media Contents:**

- APHR\_2017R1\_Documentation.7z** - Documentation folder (contains Help.htm) QuickStartGuide and Release Notes files
- APHR\_2017R1\_FGDB.7z.[001...00n]** - MXD and StreetMap\_Data folders
- APHR\_2017R1\_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. Note that the QuickStartGuide is now in PDF format rather than HTML.**

### **4) Data Size:**

|                 |         |                |        |
|-----------------|---------|----------------|--------|
| <u>2017R1:</u>  | 29.8GB; | <u>2016R1:</u> | 27.4GB |
| a. FGDB dataset | 18.3GB; |                | 16.6GB |
| b. Locators     | 11.5GB; |                | 10.8GB |

## 5) Dataset Changes:

### FGDB

- i. Dataset based on HERE 2016 Q4 vintage
- ii. Map Document (MXD) is provided in ArcGIS 10.4.1 version only for use with 10.4.1 or later versions.
- iii. MXD symbolizes the OneWayArrows feature class at 0 to 5k scales to show direction of travel on one-way streets.
- iv. MXD symbolizes the ROADLEVEL attribute in the Streetscarto feature class at 0 to 100k scales to depict at-grade roads, tunnels, and bridges.
- v. Country name attribute changes:
  - Christmas Island from 'Australia' to 'Christmas Island', Cocos (Keeling) Islands from 'Australia' to 'Cocos (Keeling) Islands', Norfolk Island from 'Australia' to 'Norfolk Island', 'Uninhabited Island' (Baker Island, Howland Island, Palmyra Atoll) to 'United States Minor Outlying Islands', and 'Uninhabited Island' (Antipodes Islands, Auckland Islands, Campbell Island) to 'New Zealand'

### Point Feature Classes

- vi. No changes

### Line Feature Classes

- vii. **OneWayArrows** feature class added to show direction of travel on one-way streets in the MXD.
- viii. **Routing\_Streets** feature class is now the same as the Routing\_Streets feature class in the StreetMap Premium mobile map packages. See the **StreetMap Premium for ArcGIS 2017 Release 1 Network Dataset Changes** section at the end of this document for attribute name changes and transition information from 2016 Release 1. Attributes names remain unchanged in the Streets feature class.
- ix. **RestrictedTurns** feature class is now the same as the RestrictedTurns feature class in the StreetMap Premium mobile map packages. See the **StreetMap Premium for ArcGIS 2017 Release 1 Network Dataset Changes** section at the end of this document for attribute name changes and transition information from 2016 Release 1.
- x. **Signposts** feature class is now the same as the Signposts feature class in the StreetMap Premium mobile map packages. See the **StreetMap Premium for ArcGIS 2017 Release 1 Network Dataset Changes** section at the end of this document for attribute name changes and transition information from 2016 Release 1.

- xi. **Streets** attributes
  - Added: DRIVING\_SIDE
  - ManeuverClass – Long(4) to Short(2)

#### Polygon Feature Classes

- xii. No changes

#### Tables

- xiii. **Link\_TMC** renamed to **Streets\_TMC**; the table is now the same as the table in the StreetMap Premium mobile map packages. See the **StreetMap Premium for ArcGIS 2017 Release 1 Network Dataset Changes** section at the end of this document for attribute name changes and transition information from 2016 Release 1.
- xiv. **MapBuildingAreaFeature** table added which allows many-to-one relate with the MapBuildingArea feature class POLYGON\_ID code.
- xv. **POIContact** table added which provides contact information for some locations in the POI feature class. The POIContact table can be joined to the POI feature class using the POI\_ID attribute.
- xvi. **Patterns** renamed to **Profiles**; the table is now the same as the table in the StreetMap Premium mobile map packages. See the **StreetMap Premium for ArcGIS 2017 Release 1 Network Dataset Changes** section at the end of this document for attribute name changes and transition information from 2016 Release 1.
- xvii. **Signposts\_Streets** attributes
  - Removed: Link\_ID, Sign\_ID, DestNumber
- xviii. **Streets\_Patterns** renamed to **Streets\_Profiles**; the table is now the same as the table in the StreetMap Premium mobile map packages. See the **StreetMap Premium for ArcGIS 2017 Release 1 Network Dataset Changes** section at the end of this document for attribute name changes and transition information from 2016 Release 1.

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

**6) Locator Changes:**

- a. **THA** – Suggestions functionality added
- b. Suggestions functionality is available in locators when using ArcGIS Server 10.4.1 or later with the appropriate Geocoding Patch installed (see the links in Section 2 above). After publishing a country composite locator to ArcGIS Server 10.4.1 or later, you can consume the suggestions REST API in your own applications. If you are using individual locators, suggestions are enabled only in the StreetAddress, Postal, and AdminPlaces locators.
- c. Point address locators (where existing) now provide the ability to change the default location of a matched address from the entry point on the street to the parcel centroid. To make this change, open the XXX\_PointAddress.loc file (where XXX = the 3-digit country abbreviation) in a text editor (Notepad++ is recommended), change the following line from

```
GeometryFromDisplayFields = false
```

to

```
GeometryFromDisplayFields = true
```

and then save the file. However, to take advantage of this new option, you must have ArcGIS Desktop or ArcGIS Server 10.4.1 or later installed with the appropriate Geocoding Patch (see the links in Section 2 above).

- d. Note that all SMP locators are built using HERE reference data, but that the ArcGIS Online World Geocoding Service uses local data providers to build locators for HKG, SGP, and THA, so geocoding quality and results will vary between the two.

**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. Oil Field Roads supplemental segment geometry included in network dataset.
- b. 'Avoid Private Roads' restriction checked on for Walking Time and Walking Distance travel modes.
- c. 'Through Traffic Prohibited' restriction unchecked in Trucking Time and Trucking Distance travel modes, as it applies to automobiles only and not trucks.
- d. The logic for modeling where trucks are allowed at all times versus where trucks are allowed only when making deliveries has changed: the attributes FT/TF\_RST\_TRUCKS equal 'Y' represent road segments where trucks are prohibited at all times; the attributes FT/TF\_RST\_TRUCK\_DELIVERY\_ONLY equal 'Y' represent road segments where trucks are allowed to make deliveries in the local vicinity.
- e. Dropped 'Driving a Delivery Vehicle' restriction; use the 'Driving a Truck' restriction in place of this restriction.
- f. The network dataset is now the same as the network dataset in the StreetMap Premium mobile map packages (available through ArcGIS Pro or ArcGIS Online). See the additional **StreetMap Premium for ArcGIS 2017 Release 1 Network Dataset Changes** section at the end of this document for the network dataset attribute name changes and transition information. Please note that these are only changes to the feature classes and tables that are part of the network dataset. All impedances, restrictions, and travel modes available in routing dialogs (i.e., Network Dataset Properties, Find Route tool dialog, and Network Analyst Route Properties) remain the same.

**Refer to the 'About the routing services' section in the [Help.htm](#) for more information.**

**8) Deprecations:**

'Driving a Delivery Vehicle' restriction; use the 'Driving a Truck' restriction in place of this restriction.

## StreetMap Premium for ArcGIS 2017 Release 1 Network Dataset Changes

For 2017 Release 1, the StreetMap Premium for ArcGIS file geodatabase (FGDB) product network dataset is now the same as the network dataset from the StreetMap Premium mobile map packages (available through ArcGIS Pro or ArcGIS Online). The goals of the change were to use the same network dataset in both data products/formats, reduce unnecessary attributes in the Routing\_Streets and associated feature classes, and create more easy-to-read names for attributes.

Please note that these are only changes to the feature classes and tables that are part of the network dataset. All impedances, restrictions, and travel modes available in routing dialogs (i.e., Network Dataset Properties, Find Route tool dialog, and Network Analyst Route Properties) remain the same.

This document explains the attribute changes and transition information from 2016 Release 1 to 2017 Release 1. The order of some attributes also changed, so users should consult the 2017 Release 1 product help.htm file to see those changes. Note that attributes that were renamed or removed in the Routing\_Streets feature class remain unchanged in the Streets feature class which is not part of the network dataset.

The feature classes and tables that are part of the network dataset (Routing\_ND) include: Routing\_Streets, Signposts, RestrictedTurns, Routing\_ND\_Junctions, Routing\_Streets\_Override, and the tables Links\_TMC/Streets\_TMC, Patterns/Profiles, and Streets\_Patterns/Streets\_Profiles. The tables below show the attribute name changes (in blue text) between 2016 Release 1 feature classes and tables and 2017 Release 1 feature classes and tables, along with some explanatory notes.

### Streets for Network (Routing\_Streets)

| 2016 Release 1<br>Field Name | 2017 Release 1<br>Field Name | Notes                                     |
|------------------------------|------------------------------|---|
| OBJECTID                     | OBJECTID                     |   |
| Shape                        | Shape                        |   |
| StreetName                   | FULL_STREET_NAME             |   |
| StreetNameLng                |                              | removed; remains in Streets feature class |
| StreetNamePrefix             | STREET_PREFIX_DIR            |   |
| StreetTypeBefore             | STREET_PREFIX_TYPE           |   |
| StreetNameBase               | STREET_NAME                  |   |
| StreetTypeAfter              | STREET_TYPE                  |   |
| StreetNameSuffix             | STREET_DIR                   |   |
| Meters                       | METERS                       |   |
| FuncClass                    |                              | removed; remains in Streets               |

|                         |                            |   |
|-------------------------|----------------------------|---|
|                         |                            | feature class                             |
| ContrAcc                | CONTROLLED_ACCESS          |   |
| FerryType               | FERRY                      |   |
| Paved                   | PAVED                      |   |
| PublicAccess            | PUBLIC_ROAD                |   |
| TimeZoneID              | TimeZoneID                 |   |
| CarpoolRoad             | CARPOOL_ROAD               |   |
| ExpressLane             | EXPRESS_LANE               |   |
| LEFT_ADMIN_ID           |                            | removed; remains in Streets feature class |
| StreetNameLat           |                            | removed; remains in Streets feature class |
| StreetNameLatLng        |                            | removed; remains in Streets feature class |
| StreetNameTrans         |                            | removed; remains in Streets feature class |
| StreetNameTransLng      |                            | removed; remains in Streets feature class |
| StreetNameDirection     | STREET_NAME_DIRECTION      |   |
| StreetNameAlt1          | FULL_STREET_NAME_ALT1      |   |
| StreetNamePrefixAlt1    | STREET_PREFIX_DIR_ALT1     |   |
| StreetTypeBeforeAlt1    | STREET_PREFIX_TYPE_ALT1    |   |
| StreetNameBaseAlt1      | STREET_NAME_ALT1           |   |
| StreetTypeAfterAlt1     | STREET_TYPE_ALT1           |   |
| StreetNameSuffixAlt1    | STREET_DIR_ALT1            |   |
| StreetNameDirectionAlt1 | STREET_NAME_DIRECTION_ALT1 |   |
| StreetNameLngAlt1       |                            | removed; remains in Streets feature class |
| StreetNameAlt2          | FULL_STREET_NAME_ALT2      |   |
| StreetNamePrefixAlt2    | STREET_PREFIX_DIR_ALT2     |   |
| StreetTypeBeforeAlt2    | STREET_PREFIX_TYPE_ALT2    |   |
| StreetNameBaseAlt2      | STREET_NAME_ALT2           |   |
| StreetTypeAfterAlt2     | STREET_TYPE_ALT2           |   |
| StreetNameSuffixAlt2    | STREET_DIR_ALT2            |   |
| StreetNameDirectionAlt2 | STREET_NAME_DIRECTION_ALT2 |   |
| StreetNameLngAlt2       |                            | removed; remains in Streets feature class |
| StreetNameAlt3          | FULL_STREET_NAME_ALT3      |   |
| StreetNamePrefixAlt3    | STREET_PREFIX_DIR_ALT3     |   |
| StreetTypeBeforeAlt3    | STREET_PREFIX_TYPE_ALT3    |   |
| StreetNameBaseAlt3      | STREET_NAME_ALT3           |   |
| StreetTypeAfterAlt3     | STREET_TYPE_ALT3           |   |
| StreetNameSuffixAlt3    | STREET_DIR_ALT3            |   |

2017 Release 1

16 August 2017

|                         |                            |   |
|-------------------------|----------------------------|---|
| StreetNameDirectionAlt3 | STREET_NAME_DIRECTION_ALT3 |   |
| StreetNameLngAlt3       |                            | removed; remains in Streets feature class |
| StreetNameAlt4          | FULL_STREET_NAME_ALT4      |   |
| StreetNamePrefixAlt4    | STREET_PREFIX_DIR_ALT4     |   |
| StreetTypeBeforeAlt4    | STREET_PREFIX_TYPE_ALT4    |   |
| StreetNameBaseAlt4      | STREET_NAME_ALT4           |   |
| StreetTypeAfterAlt4     | STREET_TYPE_ALT4           |   |
| StreetNameSuffixAlt4    | STREET_DIR_ALT4            |   |
| StreetNameDirectionAlt4 | STREET_NAME_DIRECTION_ALT4 |   |
| StreetNameLngAlt4       |                            | removed; remains in Streets feature class |
| Hierarchy               | HIERARCHY                  |   |
| ROAD_CL                 | ROAD_CLASS                 |   |
| ROUTE_TYPE              |                            | removed; remains in Streets feature class |
| SHIELD_LBL              |                            | removed; remains in Streets feature class |
| SHIELD_CL               |                            | removed; remains in Streets feature class |
| ROUTE_TYPE2             |                            | removed; remains in Streets feature class |
| SHIELD_LBL2             |                            | removed; remains in Streets feature class |
| SHIELD_CL2              |                            | removed; remains in Streets feature class |
| SPEED_CL                | SPEED_CLASS                |   |
| F_ZLEV                  | F_ZLEV                     |   |
| T_ZLEV                  | T_ZLEV                     |   |
| COUNTRY_NAME            | ADMIN0_NAME                |   |
| ORDER1_NAME             | ADMIN1_NAME                |   |
| FT_Minutes              | FT_MINUTES                 |   |
| TF_Minutes              | TF_MINUTES                 |   |
| CARTO                   |                            | removed; remains in Streets feature class |
| ROADLEVEL               |                            | removed; remains in Streets feature class |
| ManueverClass           | MANEUVER_CLASS             |   |
|                         | DRIVING_SIDE               | added                                     |
| F_AUTOMOBILES           | FT_RST_AUTOMOBILES         |   |
| T_AUTOMOBILES           | TF_RST_AUTOMOBILES         |   |
| F_BUSES                 | FT_RST_BUSES               |   |
| T_BUSES                 | TF_RST_BUSES               |   |



|                      |                                 |  |
|----------------------|---------------------------------|--|
| F_TAXIS              | FT_RST_TAXIS                    |  |
| T_TAXIS              | TF_RST_TAXIS                    |  |
| F_PEDESTRIANS        | RST_PEDESTRIAN                  |  |
| T_PEDESTRIANS        |                                 | removed; uses one field to model restriction |
| F_TRUCKS             | FT_RST_TRUCKS                   |  |
| T_TRUCKS             | TF_RST_TRUCKS                   |  |
| F_THROUGH_TRAFFIC    | RST_THROUGH_TRAFFIC             |  |
| T_THROUGH_TRAFFIC    |                                 | removed; uses one field to model restriction |
| F_DELIVERIES         | FT_RST_TRUCK_DELIVERY_ONLY      |  |
| T_DELIVERIES         | TF_RST_TRUCK_DELIVERY_ONLY      |  |
| F_EMERGENCY_VEHICLES | FT_RST_EMERGENCY_VEHICLES       |  |
| T_EMERGENCY_VEHICLES | TF_RST_EMERGENCY_VEHICLES       |  |
| F_MOTORCYCLES        | FT_RST_MOTORCYCLES              |  |
| T_MOTORCYCLES        | TF_RST_MOTORCYCLES              |  |
| RCAT3                | FT_RST_ROAD_UNDER_CONSTR        | uses two fields to model restriction         |
|                      | TF_RST_ROAD_UNDER_CONSTR        | uses two fields to model restriction         |
| RCAT12_AUTOMOBILES   | RST_TOLL_ROAD_AUTOMOBILE        |  |
| RCAT12_TRUCKS        | RST_TOLL_ROAD_TRUCKS            |  |
| F_RCAT23_41          | FT_RST_HEIGHT                   |  |
| T_RCAT23_41          | TF_RST_HEIGHT                   |  |
| F_RCAT23_42          | FT_RST_WEIGHT                   |  |
| T_RCAT23_42          | TF_RST_WEIGHT                   |  |
| F_RCAT23_43          | FT_RST_WEIGHT_PER_AXLE          |  |
| T_RCAT23_43          | TF_RST_WEIGHT_PER_AXLE          |  |
| F_RCAT23_44          | FT_RST_LENGTH                   |  |
| T_RCAT23_44          | TF_RST_LENGTH                   |  |
| F_RCAT23_45          | FT_RST_WIDTH                    |  |
| T_RCAT23_45          | TF_RST_WIDTH                    |  |
| F_RCAT23_81          | FT_RST_KINGPIN_REAR_AXLE_LENGTH |  |
| T_RCAT23_81          | TF_RST_KINGPIN_REAR_AXLE_LENGTH |  |
| F_RCAT23_46          | FT_RST_TRUCK_TRAILERS           |  |
| T_RCAT23_46          | TF_RST_TRUCK_TRAILERS           |  |
| F_RCAT23_46_04       | FT_RST_SEMI_TRACTOR_TRAILERS    |  |
| T_RCAT23_46_04       | TF_RST_SEMI_TRACTOR_TRAILERS    |  |
| F_RCAT23_39          | FT_RST_ANY_HAZMAT               |  |
| T_RCAT23_39          | TF_RST_ANY_HAZMAT               |  |
| F_RCAT23_75          | FT_RST_AXLE_COUNT               |  |
| T_RCAT23_75          | TF_RST_AXLE_COUNT               |  |
| F_RCAT23_75_06       | FT_RST_SINGLE_AXLE_VEHICLE      |  |

**2017 Release 1**

16 August 2017

|                 |                            |  |
|-----------------|----------------------------|--|
| T_RCAT23_75_06  | TF_RST_SINGLE_AXLE_VEHICLE |  |
| F_RCAT23_75_07  | FT_RST_TANDEM_AXLE_VEHICLE |  |
| T_RCAT23_75_07  | TF_RST_TANDEM_AXLE_VEHICLE |  |
| F_RCAT27_49_09  | FT_RST_PREF_TRUCK          |  |
| T_RCAT27_49_09  | TF_RST_PREF_TRUCK          |  |
| F_RCAT27_49     | FT_RST_PREF_HAZMAT         |  |
| T_RCAT27_49     | TF_RST_PREF_HAZMAT         |  |
| F_RCAT25_48     | FT_RST_TRUCK_SPEED_LIMIT   |  |
| T_RCAT25_48     | TF_RST_TRUCK_SPEED_LIMIT   |  |
| FT_TruckMinutes | FT_TRUCK_MINUTES           |  |
| TF_TruckMinutes | TF_TRUCK_MINUTES           |  |
| Shape_Length    | Shape_Length               |  |

**Signposts (Signposts)**

| 2016 Release 1<br>Field Name | 2017 Release 1<br>Field Name | Notes   |
|------------------------------|------------------------------|---------|
| OBJECTID                     | OBJECTID                     |         |
| Shape                        | Shape                        |         |
| ExitName                     | ExitName                     |         |
| Branch[0...6]                | Branch[0...6]                |         |
| Branch[0...6]Dir             | Branch[0...6]Dir             |         |
| Branch[0...6]Lng             | Branch[0...6]Lng             |         |
| Toward[0...6]                | Toward[0...6]                |         |
| Toward[0...6]Lng             | Toward[0...6]Lng             |         |
|                              | Branch[7...9]                | added   |
|                              | Branch[7...9]Dir             | added   |
|                              | Branch[7...9]Lng             | added   |
|                              | Toward[7...9]                | added   |
|                              | Toward[7...9]Lng             | added   |
| Sign_ID                      |                              | removed |
| DestNumber                   |                              | removed |
| Shape_Length                 | Shape_Length                 |         |

**Turn Restrictions (RestrictedTurns)**

| 2016 Release 1<br>Field Name | 2017 Release 1<br>Field Name | Notes |
|------------------------------|------------------------------|-------|
| OBJECTID                     | OBJECTID                     |       |
| Shape                        | Shape                        |       |
| Edge1End                     | Edge1End                     |       |

2017 Release 1

16 August 2017

|                    |                                |         |
|--------------------|--------------------------------|---------|
| Edge[1...30]FCID   | Edge[1...30]FCID               |         |
| Edge[1...30]FID    | Edge[1...30]FID                |         |
| Edge[1...30]Pos    | Edge[1...30]Pos                |         |
| AltID[1...30]      |                                | removed |
| AUTOMOBILES        | RST_AUTOMOBILES                |         |
| BUSES              | RST_BUSES                      |         |
| TAXIS              | RST_TAXIS                      |         |
| PEDESTRIANS        | RST_PEDESTRIANS                |         |
| TRUCKS             | RST_TRUCKS                     |         |
| THROUGH_TRAFFIC    | RST_THROUGH_TRAFFIC            |         |
| DELIVERIES         | RST_TRUCK_DELIVERY_ONLY        |         |
| EMERGENCY_VEHICLES | RST_EMERGENCY_VEHICLES         |         |
| MOTORCYCLES        | RST_MOTORCYCLES                |         |
| GATE_1             | RST_GATE_KEY                   |         |
| GATE_2             | RST_GATE_PERMISSIONS           |         |
| RCAT26_41          | RST_HEIGHT                     |         |
| RCAT26_42          | RST_WEIGHT                     |         |
| RCAT26_43          | RST_WEIGHT_PER_AXLE            |         |
| RCAT26_44          | RST_LENGTH                     |         |
| RCAT26_45          | RST_WIDTH                      |         |
| RCAT26_46          | RST_TRUCK_TRAILERS             |         |
| RCAT26_46_04       | RST_SEMI_TRACTOR_TRAILERS      |         |
| RCAT26_39_01       | RST_HAZMAT_EXPLOSIVES          |         |
| RCAT26_39_02       | RST_HAZMAT_GAS                 |         |
| RCAT26_39_03       | RST_HAZMAT_FLAMMABLE_LIQUID    |         |
| RCAT26_39_04       | RST_HAZMAT_FLAMMABLE_SOLID     |         |
| RCAT26_39_05       | RST_HAZMAT_ORGANIC             |         |
| RCAT26_39_06       | RST_HAZMAT_POISON              |         |
| RCAT26_39_07       | RST_HAZMAT_RADIOACTIVE         |         |
| RCAT26_39_08       | RST_HAZMAT_CORROSIVE           |         |
| RCAT26_39_09       | RST_HAZMAT_OTHER               |         |
| RCAT26_39_20       | RST_ANY_HAZMAT_MATERIAL        |         |
| RCAT26_39_21       | RST_HAZMAT_POISONOUS           |         |
| RCAT26_39_22       | RST_HAZMAT_GOODS_HARMFUL_WATER |         |
| RCAT26_39_23       | RST_HAZMAT_EXPLOSIVES_FLAMABLE |         |
| RCAT26_75          | RST_AXLE_COUNT                 |         |
| RCAT26_75_06       | RST_SINGLE_AXLE_VEHICLE        |         |
| RCAT26_75_07       | RST_TANDEM_AXLE_VEHICLE        |         |
| CONDITION_ID       |                                | removed |
| CONDITION_TYPE     |                                | removed |
| MAN_ID             |                                | removed |
| TURN_TYPE          |                                | removed |
| GATE_TYPE          |                                | removed |

|              |              |  |
|--------------|--------------|--|
| Shape_Length | Shape_Length |  |
|--------------|--------------|--|

## Network System Junctions (Routing\_ND\_Junctions)

No changes

## Override Points (Routing\_Streets\_Override)

No changes

## Link TMC (LinkTMC) renamed Streets TMC (Streets\_TMC)

| 2016 Release 1<br>Field Name | 2017 Release 1<br>Field Name | Notes   |
|------------------------------|------------------------------|---------|
| OBJECTID                     | OBJECTID                     |         |
| LINK_ID                      |                              | removed |
| EBU_COUNTRY_CODE             |                              | removed |
| LOCATION_TABLE_NR            |                              | removed |
| TMC_PATH_DIRECTION           |                              | removed |
| LOCATION_CODE                |                              | removed |
| ROAD_DIRECTION               |                              | removed |
| EdgeFCID                     | EdgeFCID                     |         |
| EdgeFID                      | EdgeFID                      |         |
| EdgeFromPos                  | EdgeFromPos                  |         |
| EdgeToPos                    | EdgeToPos                    |         |
| TMC                          | TMC                          |         |

## Patterns (Patterns) renamed Profiles (Profiles)

| 2016 Release 1<br>Field Name | 2017 Release 1<br>Field Name | Notes   |
|------------------------------|------------------------------|---------|
| OBJECTID                     | OBJECTID                     |         |
| Pattern_ID                   | Profile_ID                   |         |
| BaseSpeed                    |                              | removed |
| AverageSpeed                 |                              | removed |
| SpeedFactor_[0000...2345]    | SpeedFactor_[0000...2345]    |         |

### Streets Patterns (Streets\_Patterns) renamed Streets Profiles (Streets\_Profiles)

| 2016 Release 1<br>Field Name | 2017 Release 1<br>Field Name | Notes   |
|------------------------------|------------------------------|---------|
| OBJECTID                     | OBJECTID                     |         |
| LINK_PVID                    |                              | removed |
| TRAVEL_DIRECTION             |                              | removed |
| EdgeFCID                     | EdgeFCID                     |         |
| EdgeFID                      | EdgeFID                      |         |
| EdgeFromPos                  | EdgeFromPos                  |         |
| EdgeToPos                    | EdgeToPos                    |         |
| BaseSpeed                    | BASE_SPEED                   |         |
| U                            | PROFILE_SUN                  |         |
| M                            | PROFILE_MON                  |         |
| T                            | PROFILE_TUE                  |         |
| W                            | PROFILE_WED                  |         |
| R                            | PROFILE_THU                  |         |
| F                            | PROFILE_FRI                  |         |
| S                            | PROFILE_SAT                  |         |
| AverageSpeed                 |                              | removed |
| BaseSpeed[U...S]             |                              | removed |
| AverageSpeed[U...S]          |                              | removed |
| S_[U...S]                    |                              | removed |