NAVSTREETS Shapefile Samples

Product Information
These release notes highlight some general information about NAVSTREETS Shapefile Samples.

Shapefile
The format is a popular geospatial vector data format for Geographic Information System (GIS) software. It is developed for data interoperability among GIS software products. The shapefile format can spatially describe vector features: points, lines, and polygons, representing, for example, water wells, rivers, and lakes. Each item usually has attributes that describe it.

Provided Cities

- Australia, Perth
- Canada, Calgary
- Chile, Machalí
- Chile, Pichilemu
- Chile, Santa Cruz
- Colombia, Medellín
- Germany, Karlsruhe
- Germany, Osnabrück
- India, Chennai
- India, Pune
- Kenya, Nairobi
- Mexico, León
- Netherlands, Eindhoven
- Nigeria, Abuja
- Poland, Poznań
- Russia, Stavropol
- Taiwan, Kaohsiung
- Thailand, Nonthaburi
- Turkey, Izmir
Sample (Eindhoven)

Legend

- T2017_EIN_POL_TABLE
- T2017_EIN_RAILWAYS
- T2017_EIN_WATER_LINES
- T2017_EIN_STREETS
- T2017_EIN_ISLANDS
- T2017_EIN_BUILDINGS
- T2017_EIN_WATERS
- T2017_EIN_ADMIN_4
Shapefile schema

**POINT DATA**
- **POL_TABLE**
  - PK: POL_ID
  - PK: LINK_ID
  - TYPE
  - POL_NAME
  - ST_NAME
  - LAT
  - LON
- **STREET_NODE**
  - PK: NODE_ID
  - PK: LINK_ID
  - LINK_ID
  - POINT_NUM
  - Z_LEVEL
  - INTERSECT
  - LAT
  - LON

**LINE DATA**
- **STREETS**
  - PK: LINK_ID
  - ST_NAME
  - REF_IN_ID
  - NREF_IN_ID
  - FUNC_CLASS
  - SPEED_CAT
  - FR_SPEED_L
  - TO_SPEED_L
  - DIP_TRAVEL
- **RAILWAYS**
  - PK: LINK_ID
  - TYPE
- **WATER_LINES**
  - PK: LINK_ID
  - TYPE

**POLYGON DATA**
- **LAND_USE_A**
  - PK: POLYGON_ID
  - NAME
  - TYPE
- **LAND_USE_B**
  - PK: POLYGON_ID
  - NAME
  - TYPE
- **WATERS**
  - PK: POLYGON_ID
  - NAME
  - TYPE
- **BUILDINGS**
  - PK: POLYGON_ID
  - NAME
  - TYPE
  - HEIGHT
- **ISLANDS**
  - PK: POLYGON_ID
  - NAME
  - TYPE
- **ADMIN_1**
  - PK: POLYGON_ID
  - NAME
  - TYPE
- **ADMIN_2**
  - PK: POLYGON_ID
  - NAME
  - TYPE
- **ADMIN_3**
  - PK: POLYGON_ID
  - NAME
  - TYPE
- **ADMIN_4**
  - PK: POLYGON_ID
  - NAME
  - TYPE
- **ADMIN_5**
  - PK: POLYGON_ID
  - NAME
  - TYPE

**Schema Overview**
- Version 1.0
- Spatial Data Center of Excellence

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Layer description

<table>
<thead>
<tr>
<th>Layer name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>POI_TABLE</td>
<td>POI_TABLE consist of different types of Points of Interest e.g. Educational Institutions, Restaurants, Shopping, Parkings, Hospitals etc.</td>
</tr>
<tr>
<td>STREET_NODE</td>
<td>STREET_NODE - layer needed for routing purposes</td>
</tr>
<tr>
<td>STREETS</td>
<td>STREETS – layer which includes information about functional class of a road, speed limits, direction travel</td>
</tr>
<tr>
<td>RAILWAYS</td>
<td>Geometry of railways</td>
</tr>
<tr>
<td>WATER_LINES</td>
<td>Geometry of water lines</td>
</tr>
<tr>
<td>LAND_USE_A</td>
<td>Geometry of land use A</td>
</tr>
<tr>
<td>LAND_USE_B</td>
<td>Geometry of land use B</td>
</tr>
<tr>
<td>WATERS</td>
<td>Geometry of water</td>
</tr>
<tr>
<td>BUILDINGS</td>
<td>Geometry of buildings</td>
</tr>
<tr>
<td>ISLANDS</td>
<td>Geometry of islands</td>
</tr>
<tr>
<td>ADMIN_1 – ADMIN_5</td>
<td>Administrative boundaries at different levels</td>
</tr>
</tbody>
</table>

Database Quality
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