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

- Calgary, Canada
- Chennai, India
- Eindhoven, Netherlands
- Karlsruhe, Germany
- Kaohsiung, Taiwan
- León, Mexico
- Medellin, Colombia
- Nairobi, Kenya
- Nonthaburi, Thailand
- Osnabrück, Germany
- Perth, Australia
- Poznań, Poland
- Pune, India
- Stavropol, Russia
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

Here Map Data for Students
Shapefile

POINT DATA

POLY TABLE
PK POL_ID
FK LINK_ID
TYPE
POL_NAME
ST_NAME
LAT
LON

STREET NODE
PK NODE_ID
FK LINK_ID
POINT_NUM
Z_LEVEL
INTERSECT
LAT
LON

POLYGON DATA

LAND_USE_A
PK POLYGON_ID
NAME
TYPE

ISLANDS
PK POLYGON_ID
NAME
TYPE

LAND_USE_B
PK POLYGON_ID
NAME
TYPE

ADMIN_3
PK POLYGON_ID
NAME
TYPE

WATERS
PK POLYGON_ID
NAME
TYPE

ADMIN_4
PK POLYGON_ID
NAME
TYPE

ADMIN_5
PK POLYGON_ID
NAME
TYPE

LINE DATA

STREETS
PK PK
LINK_ID
ST_NAME
REF_IN_ID
NREF_IN_ID
FUNC_CLASS
SPEED_CAT
FR_SPEED_L
TO_SPEED_L
DIR_TRAVEL

RAILWAYS
PK LINK_ID

WATER_LINES
PK LINK_ID
TYPE

Scheme 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_3 – ADMIN_5</td>
<td>Administrative boundaries at different levels</td>
</tr>
</tbody>
</table>

Datasets availability

<table>
<thead>
<tr>
<th>Location</th>
<th>2017 Release</th>
<th>2018 Release</th>
<th>2019 Release</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calgary, Canada</td>
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<tr>
<td>Kaohsiung, Taiwan</td>
<td>✔</td>
<td>✔</td>
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</tr>
</tbody>
</table>
Database Quality
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