## BZ10M: Bolzano Roads Network Spatial Table

Import:

```
imp user/pass file=/bz10m/roads_spatial/roads_spatial-current.dmp full=y
```

The table will be called BZ_ROADS.

This is the TeleAtlas table we got from the municipality on July the 18, 2007. The table contains linestrings (in GEOMETRY column), which represent roads segments; In Network Data Model they become links.

#### Creating index

If you want to use any spatial operators (such as finding all segments within distance, retrieving bounding rectangle etc.) you need to create an index for this table:

```
INSERT INTO USER_SDO_GEOM_METADATA(TABLE_NAME, COLUMN_NAME, DIMINFO)
       VALUES('BZ_ROADS', 'GEOMETRY',
              SDO_DIM_ARRAY(SDO_DIM_ELEMENT('X', -180, 180, 0.05),
                            SDO_DIM_ELEMENT('Y', -90, 90, 0.05))
       );
CREATE INDEX BZ_ROADS_INDEX ON BZ_ROADS(GEOMETRY) INDEXTYPE IS
MDSYS.SPATIAL_INDEX;
```

#### Columns of the table

We are working on the meanings of the columns:

| | |
|---|---|
| ID | long integer, the ID for each road segment |
| FEATTYP | ? |
| FT | ? |
| F_JNCTID | ? |
| F_JNCTTYP | ? |
| T_JNCTID | ? |
| T_JNCTTYP | ? |
| PJ | ? |
| METERS | Length of a segment in meters, rounded up to the hundredth part. See LENGTH |
| FRC | ? |
| NETCLASS | ? |
| NETBCLASS | ? |
| NET2CLASS | ? |
| NAME | Name of the street/highway number |
| NAMELC | ? |
| SOL | ? |
| NAMETYP | ? |

| | |
|---|---|
| CHARGE | ? |
| ROUTENUM | Highway number |
| RTETYP | ? |
| RTEDIR | ? |
| RTEDIRVD | ? |
| PROCSTAT | ? |
| FOW | ? |
| SLIPRD | ? |
| BACKRD | ? |
| TOLLRD | ? |
| RDCOND | ? |
| STUBBLE | ? |
| PRIVATERD | ? |
| CONSTATUS | ? |
| ONEWAY | Road type. Looks utterly incomplete.<br>FT-one way street<br>N-only for bus or cycle (transit limited e.g. Downtown) |
| F_BP | ? |
| T_BP | ? |
| F_ELEV | ? |
| T_ELEV | ? |
| KPH | Speed limit |
| MINUTES | Calculated column: amount of time in minutes which takes to drive the road segment, when driving at the speed limit |
| POSACCUR | ? |
| CARRIAGE | ? |
| LANES | Number of lanes. Utterly incomplete (98.7% are zeroes) |
| LENGTH | The length of the road in meters, precise up to a thousandth part |