

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	?
NETBCCLASS	?
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. FT-one way street 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

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