

How to Change Network Projection

Using ArcView or ArcMap to re-project a network

This document describes how you can use ArcView version 3.x or ArcMap version 8.x to change the projection of a network defined for Tranplan, TP+, TRIPS, or Cube Voyager.

■ To change the projection of a network

1. Open the highway network in Cube or in Viper.

Verify that the network uses a known projection. GIS can only re-project networks that use known and commonly-used projections.

For example, many older networks store data at 100 units per mile. You can multiply X- and Y-node attributes by 52.8 to convert the network to feet, or you can multiply the X- and Y-node attributes by 16.09 to convert the network to meters.

2. Export your network to a .shp file.

If you are using Cube with ArcMap 8.x, you can open the network directly in ArcMap without creating a separate .shp file:

- a. Close the network. (Save if needed.)

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The Build Highway Network from Line Shape File dialog box opens.

Because you created the network from an existing model network, you need not change any of the settings.

If known, you can enter the number of zones in **Highest Zone Number**; otherwise Cube or Viper will automatically identify the proper number.

d. Click **Build.**

Cube or Viper builds and displays the network at the new projection.