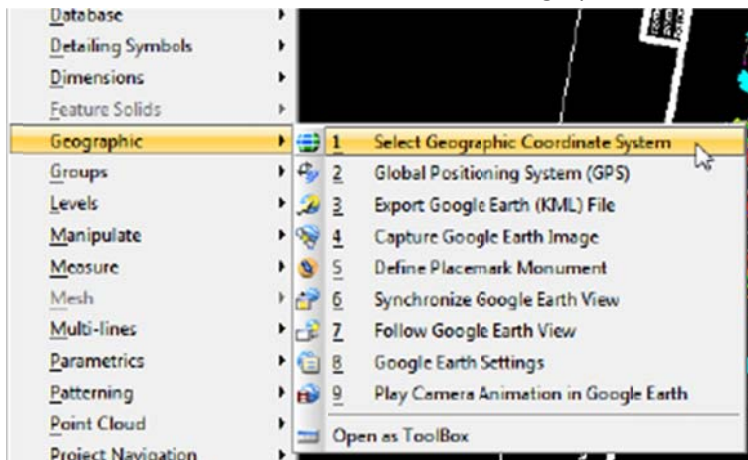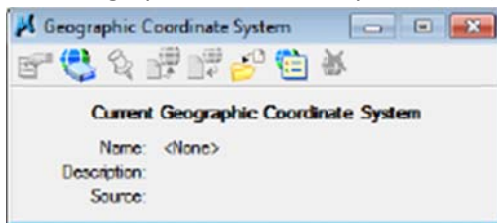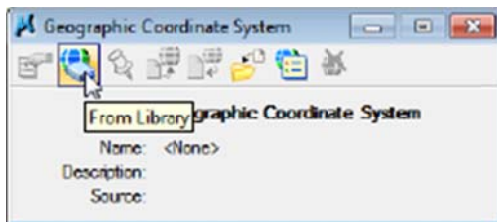# Converting Geographic Coordinate Systems

1. Find out the project's coordinate system and project datum factor.
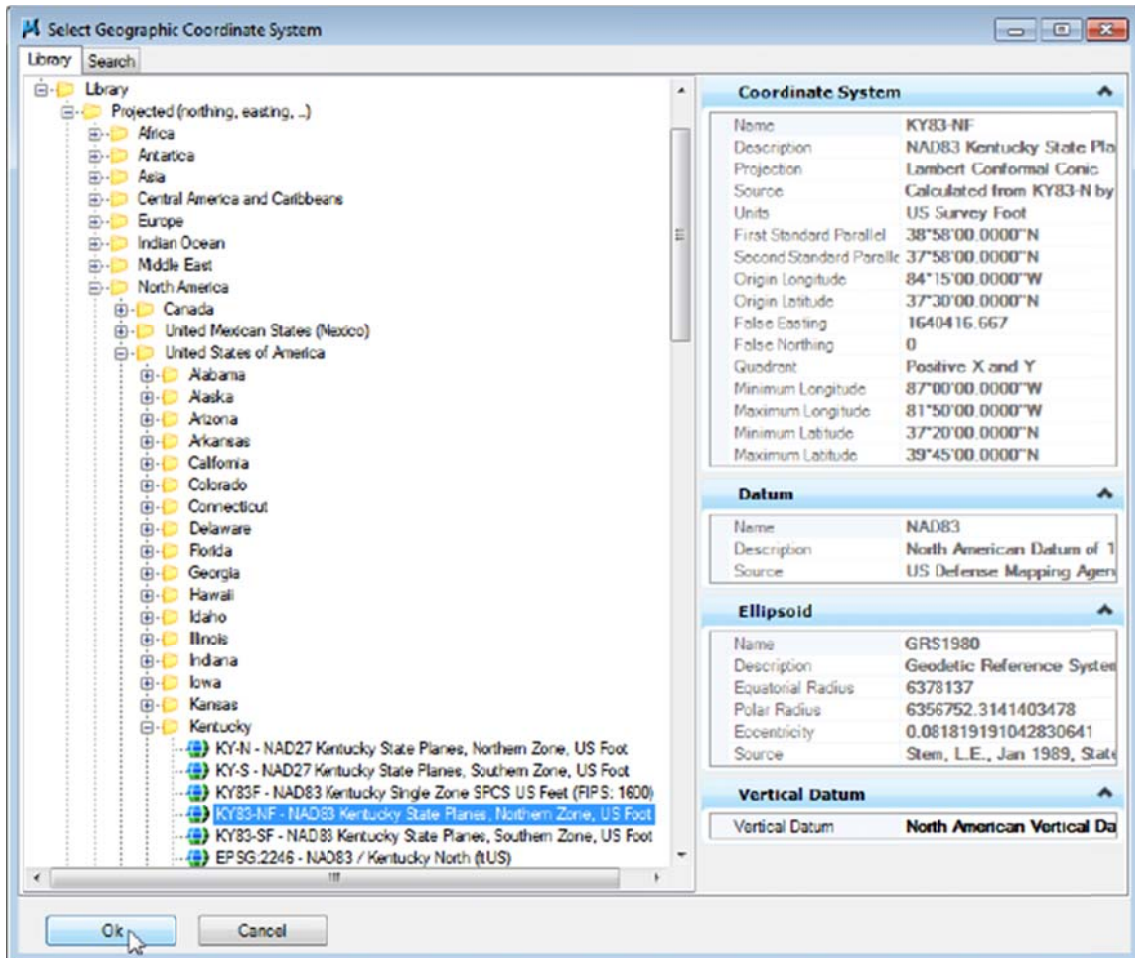2. In the MicroStation menu click on Tools, Geographic -> Select Geographic Coordinate System.

3. The Geographic Coordinate System (GCS) tools open.
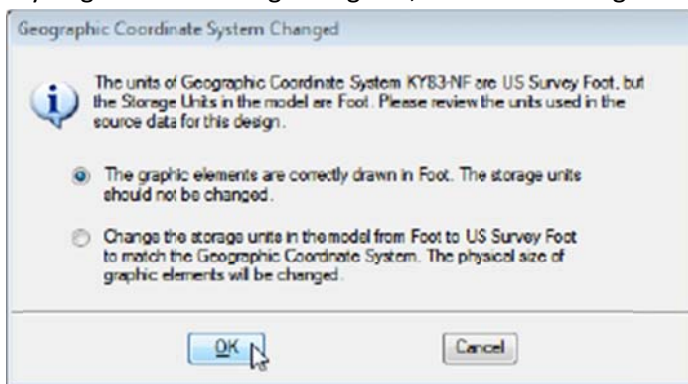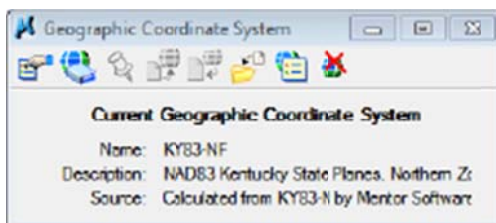

4. Click the From Library tool.

5. Select the proper GCS for the project then click ok.

6. If you get the following dialog box, use these settings and click OK.

7. The GCS tool box now shows the correct zone for the project.

8. Check the view rotation and make sure it is unrotated.
9. If the project has a project datum factor, run the DGN2ArcGIS application.
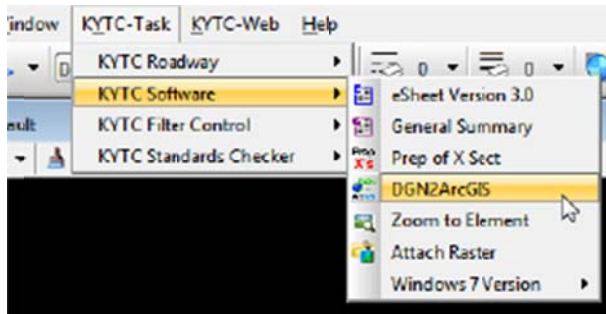
instructions for this application can be found [here](#).

10. Set the design file to Ky Single zone by clicking From Library from the Geographic Coordinate System tools.

11. Select the single zone coordinate system then click ok.

12. Turn on the Reproject the data option then click ok.

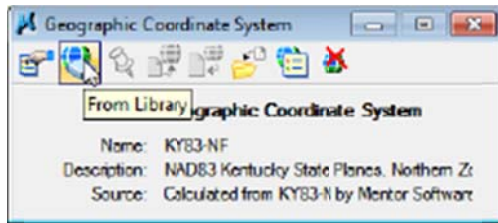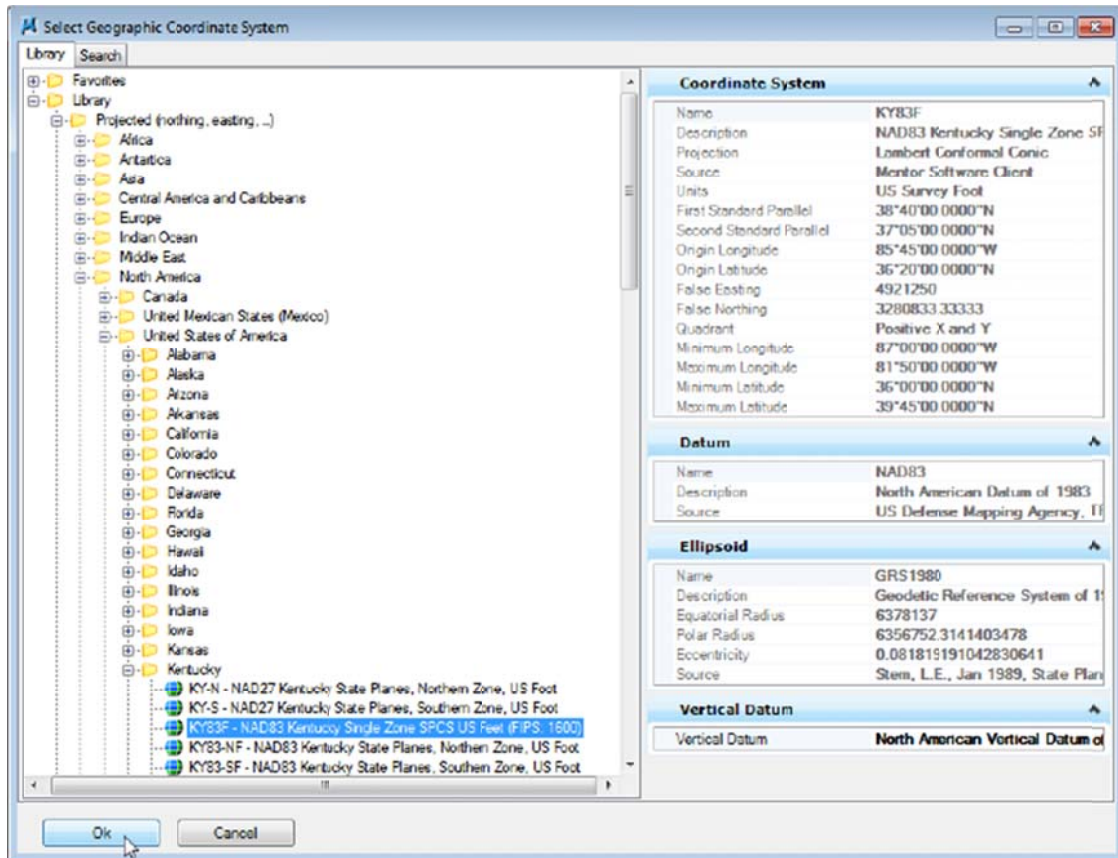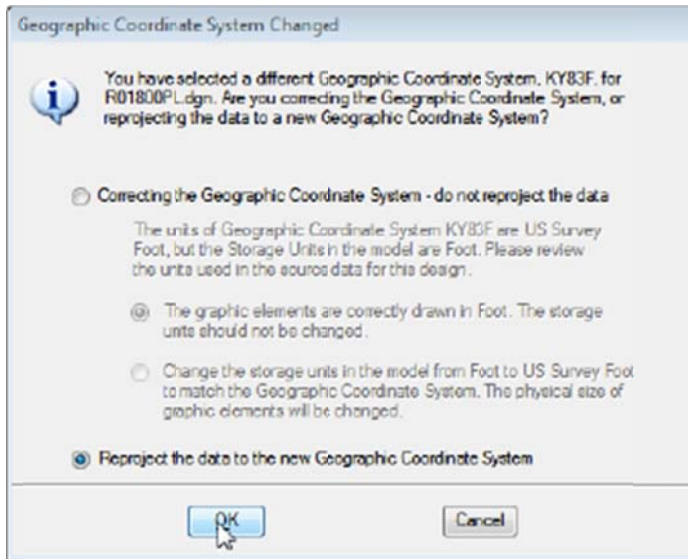Geographic Coordinate System Changed

You have selected a different Geographic Coordinate System, KY83F, for R01800PL.dgn. Are you correcting the Geographic Coordinate System, or reprojecting the data to a new Geographic Coordinate System?

○ Correcting the Geographic Coordinate System - do not reproject the data

The units of Geographic Coordinate System KY83F are US Survey Foot, but the Storage Units in the model are Foot. Please review the units used in the source data for this design.

◉ The graphic elements are correctly drawn in Foot. The storage units should not be changed.

○ Change the storage units in the model from Foot to US Survey Foot to match the Geographic Coordinate System. The physical size of graphic elements will be changed.

◉ Reproject the data to the new Geographic Coordinate System

[OK]   [Cancel]

13. Click the Fit View tool to see the design.