



The Envision Group, Inc.

MicroStation & InRoads | EDUCATION • CONSULTING • SUPPORT • VISUALIZATION

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Transform Survey Fieldbook

This dialog controls the transformation of survey data in the Fieldbook. The field book can be moved, rotated and then scaled to new control points.

1. From the InRoads dialog pull down menu select **Survey > Transform Survey Data**. The Transform Survey Data dialog will appear.

The screenshot shows the 'Transform Survey Data' dialog box. It is divided into several sections: 'From' and 'To' for point selection, 'Scale' for X, Y, and Z coordinates, and 'Rotation' for angular adjustment. The 'From' and 'To' sections each have a 'Type' dropdown menu set to 'Survey Data', and input fields for 'Point Name', 'Northing', 'Easting', and 'Elevation'. The 'Scale' section has three input fields for X, Y, and Z, all set to '1.000'. The 'Rotation' section has an input field set to '0°00'00\".

2. In the **From** section of the Transform Data dialog type the **Point Name** that you will be using as the reference point in the field then hit the **Tab** key. This will automatically fill in the Northing, Easting, and Elevation values for the point from the Fieldbook data.

The screenshot shows the 'Transform Survey Data' dialog box after the first step of the process. The 'From' section now has '1080' entered in the 'Point Name' field. The 'Northing' field is filled with '2000.0000', 'Easting' with '2999.7600', and 'Elevation' with '0.0000'. The 'To' section remains empty. The 'Scale' section has X, Y, and Z all set to '1.000'. The 'Rotation' section has an input field set to '0°00'00\".



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3. In the **To** section of the Transform Data dialog Select the **long Target** button to define the Northing, Easting, and Elevation. The Transform Survey Data dialog will automatically minimize allowing more area to select the point in the MicroStation view.

[Robert Mecham](#) is a partner with the firm [The Envision Group](#) in Madison, WI. The firm specializes in MicroStation and the InRoads Suite of products. In addition to providing training for MicroStation & InRoads, they offer visualization services and consulting for clients throughout the United States.