

## A1.01 InRoads Design Data

This appendix defines the file formats for InRoads 2004, or version 8.5. This is a supplement to the EEDS **Deliverables 6** Roadway Design guidance.

WSDOT used InRoads version 8.5 beginning in 2005, and migrated to InRoads version XM in 2007. While it is unlikely that there will be a need to create a new EEDS compliant project in the InRoads 2004 version, this file format guidance is available for use with the legacy InRoads version.

### A1.01 InRoads Design Data

#### (1) General Requirements

##### InRoads Project Spreadsheet

The categories documented in the InRoads Project Spreadsheet for InRoads version 2004 are shown below.

- Project Information
- Monumentation information
- Geometry (.alg) information (no change in InRoads XM version)
- Surface (.dtm) information (no change in InRoads XM version)
- Libraries (.tml, .rwl) information
- Resource file (.ini) information

##### Project-Specific Resources

All permanent project elements will have a feature style or geometry style assigned. Design elements should be assigned standard WSDOT feature styles, geometry styles, survey features names. Standard transition control codes for InRoads version 8.5 will also be assigned.

#### (2) Requirements for Specific Data Types

The file formats that are specific to InRoads 2004 are detailed in this section.

##### Superelevation

The superelevation is a child of the horizontal alignment in InRoads version 8.5. The basic superelevation naming convention is to use the name of the controlling alignment name.

If more than one superelevation design is needed for a horizontal alignment, an underscore character followed by descriptive information should be appended to the controlling alignment name. This will be the name of the superelevation.

### **Template Libraries**

The InRoads version 8.5 template library is in the form of a \*.TML file. The basic naming convention for a design template file is *projname\_Design.tml*. Each template within the library has a descriptive name that indicates the alignment and type of template. Alignment-specific templates should have the alignment included in the name.

### **Roadway Definitions**

The InRoads 8.5 roadway definition file (RWL) contains specific horizontal and vertical definitions including station ranges, templates, end conditions, vertical and horizontal control elements. Each entry in the RWL file should be named appropriately and descriptively to be able to recreate the design. The roadway definitions will include the alignment name, types and station ranges where unique roadway definitions are required.