

TECH NOTE

WSDOT CAE SUPPORT

InRoads – Surface to Trimble TIN Model

Overview

The process for exporting an InRoads surface (DTM) to a Trimble Triangulated Irregular Network (TIN) model file uses the **Upload Trimble** Application Add-in.

Workflow

Open an InRoads surface file. Use the **Upload Trimble** command to export surface to a Trimble Tin Model (*.TIN) file.

Load a Surface into InRoads

- 1. Select the *File > Open* command.
- 2. Set the File Type to Surface (*.dtm).
- 3. Browse and select the file to be exported to a Trimble Tin Model file.

Create a Trimble Tin Model File

- 1. Select the *File* > *Translators* > *Upload Trimble* command.
- 2. Select a horizontal alignment.

A horizontal alignment **must** be selected.

- 3. Select the surface to export.
- 4. Set the *Linear Units* to US Feet.
- 5. Click Apply.
- 6. The <u>Save As</u> dialog opens for the Trimble DC file.

If no <u>Save As</u> dialog opens, verify that the **Trimble Link Engine** is installed on the PC.

- 7. Close the Save As dialog for the Trimble DC file.
- 8. Another <u>Save As</u> dialog opens to save the Trimble Tin Model.
- 9. Key in a file name.
- 10. Browse to the appropriate folder.
- 11. Click Save.

For questions or comments on this tech note, contact your regional CAE Support Coordinator or the WSDOT CAE Help Desk at (360) 709-**8013**.

Upload Trimble		
Geometry <u>P</u> rojec	ct: T2007_Design 💌	<u>A</u> pply
Horizontal Alignments:		Close
Name B-Line	I90 EB Offra AL_HW_C	Help
B-Line Right First Ave Exis I-90 ROW Fence	RD_ED_L First Ave Cen AL_HW_C I-90 Sta 346+ AL_HW_C Fence line RW_BD_H	
Surface:	B-Line	
<u>L</u> inear Units:	US Feet 💌	