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## Chapter 8 Cross Roads Input

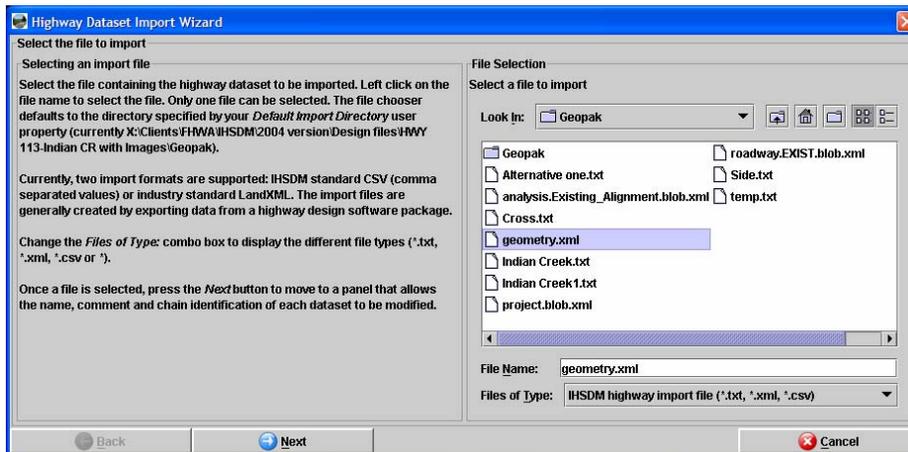
When a road crosses the mainline, the user will need to include that information into IHSDM for the CPM and IRM modules. This chapter will discuss the process for entering the cross road and for creating an intersection in IHSDM.

### Adding a Cross Road into IHSDM

The following workflow will guide the user in the process of adding a cross Road:

#### Workflow 1: Entering a Cross Road

1. Create an input file of the cross road using LandXML as described in [Workflow 2 of Chapter 2](#).
2. Start IHSDM. From the Select a Project dialog box highlight the mainline project and pick next.
3. In the Select an Analysis Dialog box, highlight the appropriate analysis and pick next.
4. In the select a Master Highway dialog box select Import to get the following dialog box:



5. Browse for the .xml file created with LandXML and highlight it. Pick next.
6. In the Select a Master Highway dialog box, highlight the new alignment and pick Finish.
7. Follow chapters 3 through 7 for the input of needed IHSDM data.

### Creating an Intersection

Once the cross road alignment is input, an intersection can be created in IHSDM. The following workflow will discuss the process:

## Workflow 2: Adding an Intersection into IHSDM

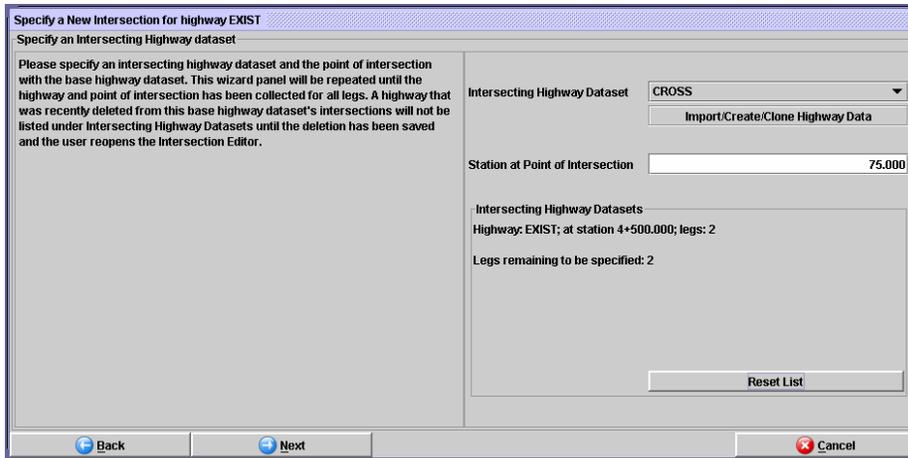
1. Access the mainline data from the IHSDM main dialog box. Pick File>[Project/Analysis/Highway]Wizard.
2. Select the desired project, pick Next.
3. Select the desired analysis, pick Next.
4. Pick the mainline highway, Pick Finish.
5. From the IHSDM main dialog box, pick the Intersection button



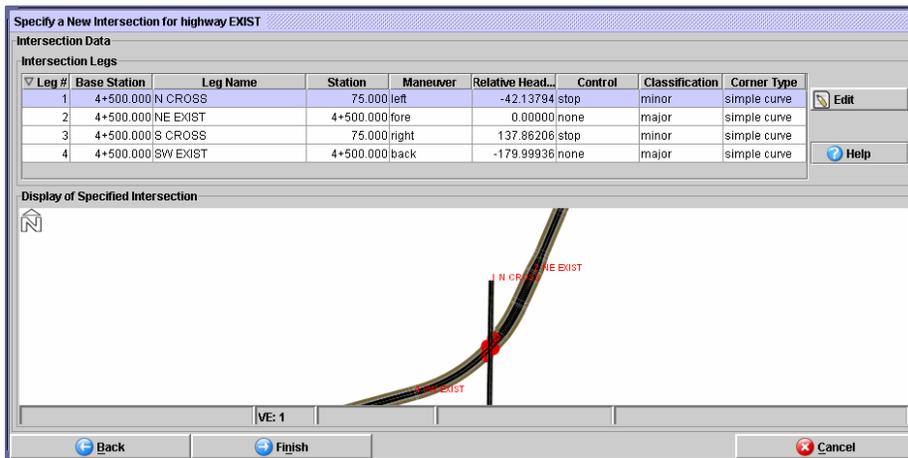
to get the following:

6. Pick the add button to get the following dialog box:

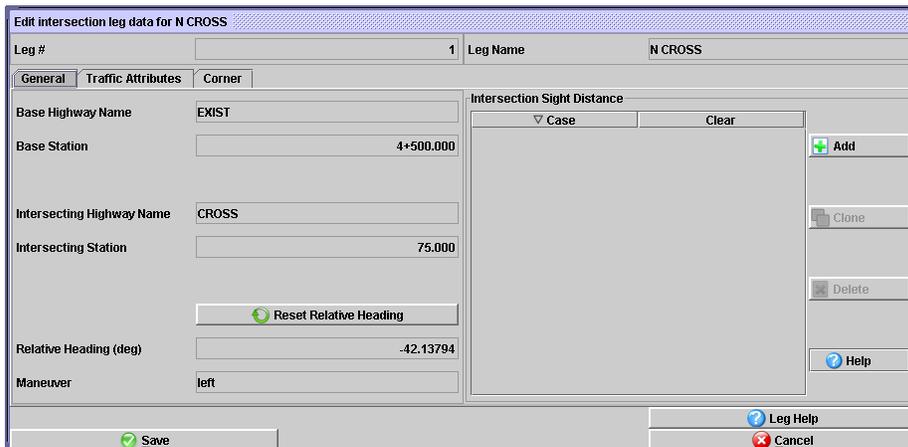
7. Fill in the data fields as necessary. Once the fields are correct, press Next to get the following dialog box:



8. Select the intersecting road and the station on the cross road that the intersection is on, then press next for the following dialog box:



9. Review information in the top of the dialog box. Highlight each leg and press Edit. The following dialog box will appear:



10. Review each of the tabs; General, Traffic Attributes, and Corner to verify that all of the information is correct. Then pick Save.
11. Pick Finish.