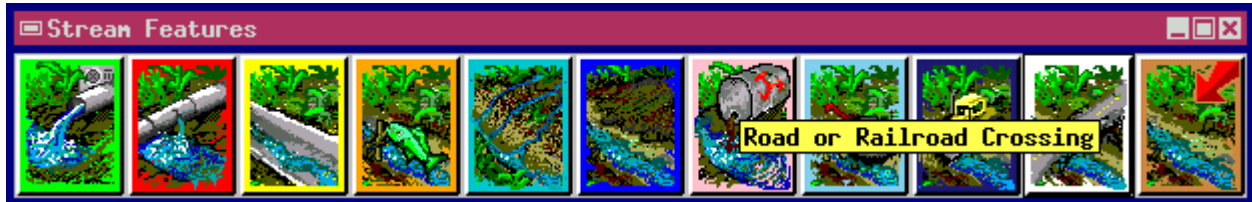


Data Logger - Adding New Records



An APPLIDAT can give your field teams easy access to any number of database tables. This sample APPLIDAT shows how eleven Stream Features tables have been presented on an icon menu bar. Each icon has a HelpTip that shows the name of the table. Clicking on an icon opens the associated table for adding a new record at the crosshair location.

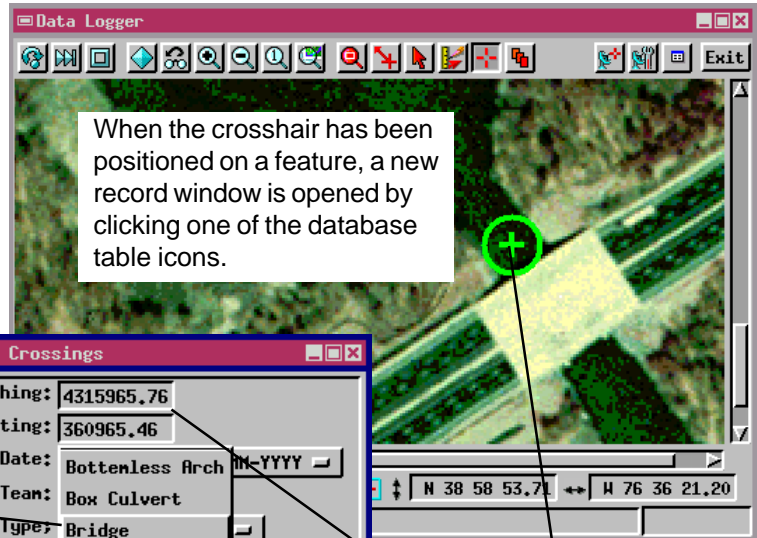
The field team can add new records at the crosshair by selecting a table from the icon bar. The APPLIDAT automatically enters coordinate values for the crosshair position. The new record window can be customized to present data entry options to help ensure data integrity. In this example, most fields have drop-down lists that offer pre-defined values in the correct data range. Your custom data entry windows can include many other helpful notes and prompts.

Drop-down lists provide the team with preselected field values for accurate data entry.

Fields that require keyboard entry show as blanks until they have been completed.

Fields that offer drop-down lists show as '?' until they have been completed.

To ensure complete records, the OK button is inactive until all required fields have been entered.



Northing:	4315965.76
Easting:	360965.46
Date:	Bottenless Arch MM-YYYY
Team:	Box Culvert
Type:	Bridge
Material:	Ford
Number of Cells:	Pipe Arch
Is one cell depressed:	Round Pipe
Max Height:	Temporary
Max Width:	40.00 n
Diameter:	10.00 ft
Length:	n
Slope:	
Different size pipes?	No
Fish Blockage?	?
Channelization:	?
Eroded below crossing?	?

Crosshair / GPS coordinates are automatically entered for the new record.

Field measurements can be entered in selectable units.

Changing the units of a field that already has a value automatically converts the value. For example, changing the units of a field that contains the value 10 from feet to meters, changes the value from 10 to 3.05.

Careful design of a database with all the necessary constraints would allow a field team to enter all values with a hand-held computer and stylus, eliminating the need for a keyboard in the field. With a combination of on-screen HelpTips and well-designed data entry forms, a high degree of reliability and completeness can be ensured. By eliminating as much question as possible in the minds of the field team, and by constraining their data entry choices, you can maximize the amount of useful data collected, and minimize the need for return trips to correct errors or collect missing data.