

Details Pane

The Details pane identifies all column-specific merging and aggregation rules. These rules, together with the Minimum Length rule from the [Main Pane](#), form the entire set of dynamic aggregation rules. Once you insert a new rule set in the Main pane, the details regarding when segment breaks should be inserted and which data are then aggregated to the resulting segments are configured in the Details pane. The Details pane contains the list of fields from the source table that are used in the aggregation rules and/or are to be aggregated to the resulting sections. You can insert these from a list of all available fields from the source table.

The **Use for Segmentation** check box defines whether the field is to be used in establishing segment breaks. After selecting the Use for Aggregation check box, you select the aggregation rule in the Rule for Data Aggregation column.

Rules for Aggregation/Segmentation

The following rules are available (note that the description of these rules assume that the output table starts as one segment for each entire route and that the rules then split the entire route into pieces, with each piece being one or more merged road segments from the input table):

- **Always Split:** This rule will insert a break whenever the value changes (but will omit breaks that would cause a segment length shorter than the minimum specified).
- **Always Split (Ignore Minimum Lengths):** This rule will insert a break whenever the value changes (but will ignore the specified minimum length).
- **Level Partition:** This rule will insert a break based on user-defined levels. A break occurs whenever two adjacent values straddle a level.
- **Statistical (Ignore Nulls):** This rule will insert a break based upon two levels. An average value is calculated for each contiguous set of sections where route and direction are the same. A break occurs whenever two adjacent values straddle a level. The two levels are calculated as an average multiplied by a user-input parameter called % Deviation ($\text{Average} [1 + \frac{\% \text{ Deviation}}{100}]$).

If you select the Level Partition or Statistical rule, a dialog box will be displayed to select the argument for the rule. After selecting the argument for the rule, it will be shown in the Dynamic Segmentation Rule Argument column. You can change the argument for the rule by using the **Define Arguments** command.

Right-click Shortcut Menu Commands

When you right-click a record in this pane, a shortcut menu is displayed. This menu contains the following special commands:

- **Define Argument(s):** This command allows you to modify the values shown in the Dynamic Aggregation Argument Rules column. When this command is selected, a dialog box opens that is appropriate for the type of rule selected. (This dialog box also appears when you select a rule in the Rule for Data Aggregation column.) Enter the new value(s) and select **OK** to update the rule's parameter(s).
- **Note:** The Dynamic Aggregation Argument Rules column will not update until you close and re-open the window or click the icon.
- **Refresh Column List:** This command updates the list of columns shown in the pane.