**Errors Identified in the HDM-4 Input File**

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| **Field** | **Comment** | **Type** | **Value** |
| SPEED\_FLOW | 1.5 lanes in the Inventory table has to be indicated as ‘INT’ in the HDM-4 input file. | Query expression | SELECT SPEEDFLOW FROM LKPTSPEEDFLOW WHERE row.Elanes; between minNumlanes and MaxNumlanes |
| ELANES | This value has to be filled based on the number of lanes in the Inventory table. | ExpressionFormula | ISNULL(CEILING ([roadinventory\_PavementWidth]/3.5),1) |
| SHLD\_WIDTH | This field has no values. This field has to be filled by taking the weighted average of the sum of the left and right hard shoulder width divided by 2. | TemplateSection | RoadInventory\_ShoulderWidth |
| ALTITUDE | Take the weighted average of the Altitude values in the Geometry table. | TemplateSection | Geometry\_Altitude |
| NUM\_RFS | This value is incorrect. This value should be taken from the Num\_RFS (1/km) field in the Geometry table. | ExpressionFormula | IIF(ISNULL(Geometry\_NumRF,0.1)<0.1,0.1,ISNULL(Geometry\_NumRF,0.1)) |
| CURVATURE | This field has no values. This value should be calculated from the Curvature field in the Geometry table. | ExpressionFormula | isnull(Geometry\_AbsHorizontalCurvature,0)\*57.296 |
| EDGEBREAK | This value has to be in m2/km. In the HDM-4 input table it was calculated as meters. To correct this error, multiply the weighted average of the Edge Break value in the Condition table by 0.5 and divide by section length. | ExpressionFormula | ISNULL(IIf(ISNULL(VisualConditionPaved\_EdgeBreak,0)>500,500,VisualConditionPaved\_EdgeBreak),0) |
| SNP\_DERIVE | If the FWD data is available, this value has to be ‘3’. Otherwise (if not available) this value has to be ‘0’. | ExpressionFormula | case when fwddata\_disp00 is null then 0when fwddata\_sn is null then 3else 0end |
| D0 | This value should be calculated from the latest available FWD data. If the FWD data is not available, fill the ‘SN’ field in the HDM-4 input file by the default value of ‘2.5’. | ExpressionFormula | FWDData\_Disp00/1000.0 |