FLH Standard Criteria Files

Section 2 –

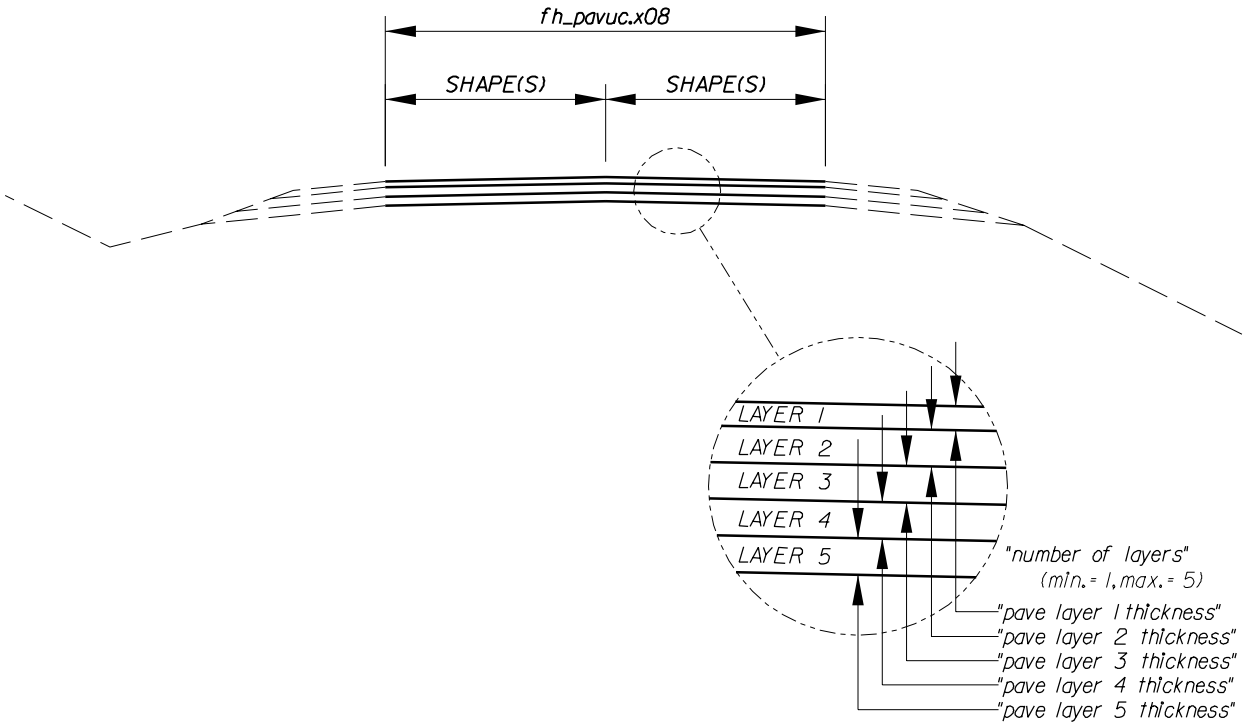
Roadway Structural Section Criteria Files

Roadway Structural Section Criteria Files

Criteria File	Elements Drawn by Criteria File
fh_pavuc.x08	Pavement and base course layers under the superelevation shapes.
fh_eop.x08	Widening of pavement and base course layers to a line drawn in plan view dgn file. Cross slope for all layers is same as the superelevation for the outermost shape.

fh_pavuc.x08

Draws all the pavement and base course layers within the limits of the superelevation shapes. (This criteria must be included in all proposed cross-section input files.)



define variables that must be assigned values in the input data file:

"number of layers" (min. = 1, max. = 5)
"pave layer 1 thickness"
"pave layer 2 thickness"
"pave layer 3 thickness"
"pave layer 4 thickness"
"pave layer 5 thickness"

define_dgn variables that must be assigned values in the input data file:

None

Variables that must be defined in exceptions data file:

None

Notes for fh_pavuc.x08:

1. This criteria file must be included in all proposed cross-section input files.

2. Only include this criteria file in the side slope lt section of the input file. It has no effect if it is included in the side slope rt section.

Notes for fh_pavuc.x08 (continued):

3. Maximum number of layers that this criteria is written to handle is five. (base course layers plus pavement layers)

4. Draws all the pavement and base course layers within the limits of the superelevation shapes on both sides of the centerline. (Despite the fact that it is included only for the left side.)

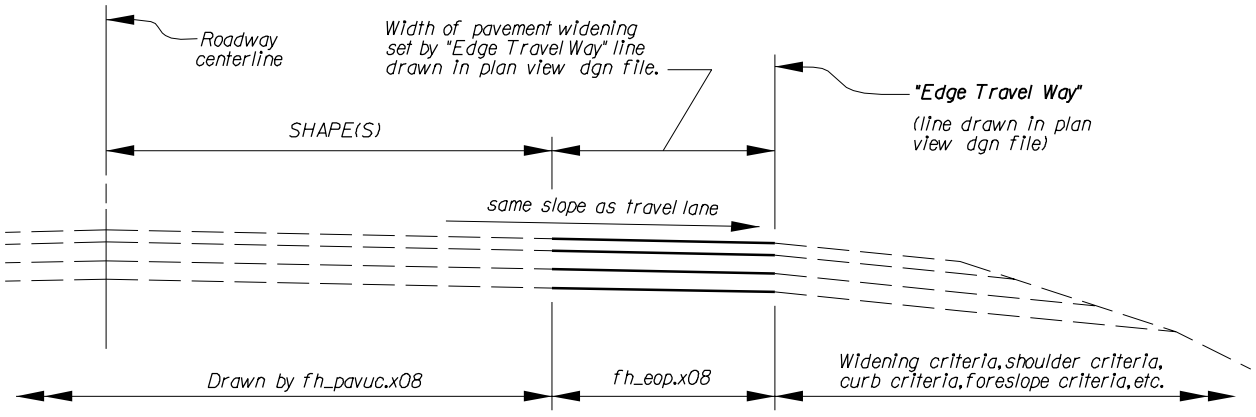
5. Maximum number of shapes that this criteria is written to handle is six. The shapes can be located in any configuration (e.g., one shape on either side of centerline, five shapes on the left and one shape on the right side, etc.)

6. By default, a slope label is placed for the superelevation of each shape. If slope labels aren't needed, add a *define "~place super slope labels" 0* statement to the input file to turn them off.

7. Text size for the superelevation slope labels may be set with by adding a *define "text size" nnn* (where nnn is the desired text size) statement to the input file. By default the text size is set to 0.30. (The "text size" value applies to the slope labels created by all the criteria files.)

fh_eop.x08

Draws widening of the pavement and base course to a line drawn in plan view dgn file using the same slope as the outside travel lane. (This criteria must be included in all proposed cross-section input files.)



define variables that must be assigned values in the input data file:

same as for fh_pavuc.x08

define_dgn variables that must be assigned values in the input data file:

"Edge Travel Way"
"approach road match"

Variables that must be defined in exceptions data file:

None

Notes for fh_eop.x08:

1. This criteria file must be included in all proposed cross-section input files in both the side slope lt section and the side slope rt section. Several variables used by subsequent criteria files are initialized here.

2. All pavement and base course layers are widened out to the "Edge Travel Way" line drawn in plan view dgn file. If "Edge Travel Way" line isn't found, then no pavement widening is drawn.

3. Widening of pavement and base course layers is always the same slope as the slope of the outside pavement shape.

4. This criteria is typically used for curve widening, etc.

5. The "first full length layer" parameter has no effect on anything drawn by this criteria (e.g., all layers are full length always).

6. The define_dgn variable "approach road match" is used to force the criteria file to draw a vertical line tying off all the pavement and base course layers of the structural. Nothing further is drawn by any of the criteria files.