

## 9\_2 Dummy Grade and Widening Template

### Question:

In criteria I can create a dummy grade and give a pavement depth and widening template are drawn using the elevation at the edge of existing pavement. Can this be done in Corridor Modeling?

### Answer:

Our current template library can only handle widening sections with a **proposed grade** and superelevation (Criteria Widening Template "Config 3"). After the core templates have been delivered to meet our May 2010 deadline, we will formalize a procedure to do advance widening templates, similar to Config 1 and 2.

#### **"Config 1" - Dummy/No Grade (not used) and Match Existing Superelevation**

- Separate template with a null point sampling the existing cross slope 1' inside the EEOP.
- Minimum resurfacing depth to set as a parametric constraint.

#### **"Config 2" - Dummy/No Grade (not used) Initially and Option to Match Existing Superelevation or Override with AASHTO SE Input**

- Separate template using overlay and stripping components.
- Use "Cross Slope Optimization" feature to set existing or design cross slopes (super).
- Use "Vertical Overlay Adjustment Settings" to set the minimum resurfacing depth.
- Use "Smooth Overlay Vertical Alignment" feature to set a resurfacing grade for the project.

Note that for a "Config 1" type of work, the null points are integrated into the template and therefore this procedure only requires a single template. "Config 2" is a 2-step process. First use the overlay/stripping components with "Cross Slope Optimization" and overlay tools. This is a simple component consisting of a single line from centerline to the EEOP on both sides. Then transfer the resurfacing grade and superelevation data to the complete core roadway templates which currently are in our template library.