FDOT 2008 Criteria Update Instructions

Criteria Instructions

The update includes fixes to the paved shoulder, milling and overlay, R/W tie down, and cross overs. Enhancements have been made, including more levels, adhocs, and the support for misc. asphalt. Please see the updated Criteria Help Files for more detailed instruction.

Re-definable Variable

_s_RightofWayConstrainedSlope(_Left or _Right) – Added the option "ADJ". This option will adjust the ditch bottom width while maintaining the ditch back slope in order to close within the right of way. Once the ditch width adjusts to 0, and the criteria still cannot close within the right of way limits, the back slope will adjust.

Plan Graphics

The criteria has been completely rewritten in the areas of proposed paved shoulder, milling, and overlay. New adhocs have been added to the plan graphic elements. IN ORDER FOR THE NEW CRITERIA TO FUNCTION, THESE NEW ADHOCS MUST BE SET ONTO THE EXISTING ELEMENTS DRAWN INTO THE DESIGN FILE. Use the **Replace** option when resetting the element adhocs.

Paved Shoulders

Name	Type	Value
Shoulder Thickness	Numeric	0.5
Paved Shld Begin Slope	String	999
Paved Shld End Slope	String	999
Unpaved Shoulder Width	Numeric	3.0
Unpaved Shoulder Slope	Numeric	999
Shoulder Base Thick	Numeric	0.5
Shoulder Base Ext	Numeric	0

The paved shoulder adhocs are now functioning. Previously, the re-definable variables were still being used instead of the assigned adhocs. The adhocs have been updated as well.

Shoulder Thickness – Represents the thickness of the asphalt in feet.

Paved Shld Begin Slope – The slope of the paved shoulder at the beginning of the paved shoulder line drawn. This adhoc is used in conjunction with the Paved Shld End Slope adhoc. Using these 2 adhocs, the slope of the paved shoulder can be transitioned as needed.

Paved Shld End Slope – The slope of the paved shoulder at the end of the paved shoulder line drawn. This adhoc is used in conjunction with the Paved Shld Begin Slope adhoc. Using these 2 adhocs, the slope of the paved shoulder can be transitioned as needed.

Unpaved Shoulder Width – Defines the width of the unpaved shoulder.

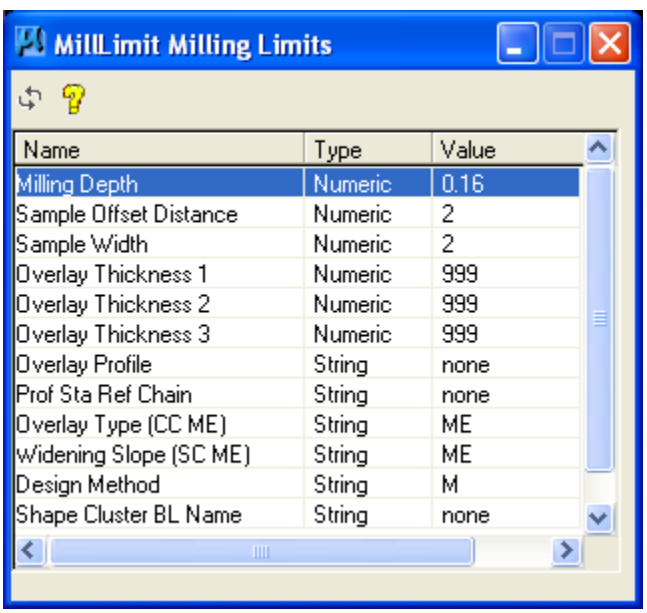
Unpaved Shoulder Slope – Defines the slope of the unpaved shoulder.

Shoulder Base Thick – Defines the thickness of the paved shoulder base in feet.

Shoulder Base Ext – Defines the width that the base should be extended. If the base does not extend past the asphalt, leave the value at 0.

Milling Limit Lines

The Milling Limit Lines must be placed in plan view to indicate milling. There are now more options for the overlay. 2 new adhocs have been added. See below.



Name	Type	Value
Milling Depth	Numeric	0.16
Sample Offset Distance	Numeric	2
Sample Width	Numeric	2
Overlay Thickness 1	Numeric	999
Overlay Thickness 2	Numeric	999
Overlay Thickness 3	Numeric	999
Overlay Profile	String	none
Prof Sta Ref Chain	String	none
Overlay Type (CC ME)	String	ME
Widening Slope (SC ME)	String	ME
Design Method	String	M
Shape Cluster BL Name	String	none

Design Method – Defines how the criteria handles overlay. The options are:

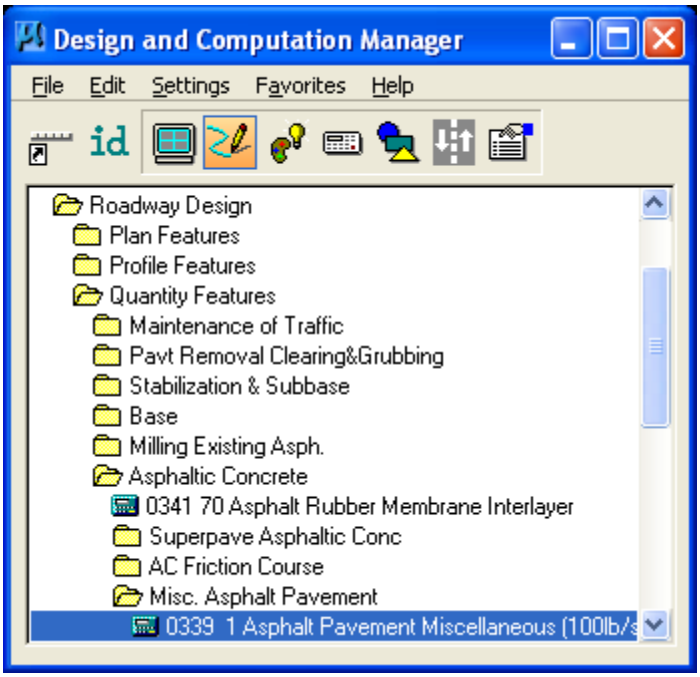
- **M** – The default method which will calculate a minimum overlay depth and adjust accordingly.
- **L** – Places the milling control point on the left side of the shape cluster. The existing ground elevation is maintained at the left milling limit line and overbuild/cut varies on the right side.
- **R** – Places the milling control point on the right side of the shape cluster. The existing ground elevation is maintained at the left milling limit line and overbuild/cut varies on the left side.

C – Maintains the profile elevation at the pgl point.

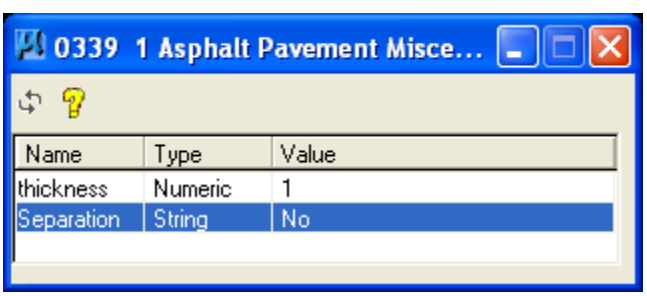
Shape Cluster BL Name – The name of the shape cluster baseline. **This is a REQUIRED adhoc**. If the adhoc is not defined, a prompt will pop up indicating the adhoc has not been set. Click cancel to abort the cross section run, if this appears, and set the adhoc to continue with the cross sections.

Misc. Asphalt

Miscellaneous asphalt is now supported in both the Existing Features and Proposed Features typicals. The criteria uses the ddb feature to locate the miscellaneous asphalt in plan view. The ddb feature location for the proposed miscellaneous asphalt is Roadway Design\Quantity Features\Asphaltic Concrete\Misc. Asphalt Pavement\339 1.



The criteria uses the existing adhoc "thickness" to define the asphalt thickness. The adhoc "Separation" has been added to define the application of the miscellaneous asphalt. No, the default setting, indicates the miscellaneous asphalt connects with the adjoining paved shoulder. Yes indicates an unpaved shoulder should be drawn between the paved shoulder or curb and the miscellaneous asphalt. The main purpose of this addition to the criteria is for the use of miscellaneous asphalt under guardrail.



In the Existing Features typical, the criteria connects a single misc. asphalt line to the nearest edge of pavement or paved shoulder. If the misc. asphalt does not adjoin with other pavement, there must be 2 misc. asphalt lines to define the limits of the misc. asphalt.

Valley Gutter

The criteria has been updated to draw the valley gutter correctly.