

Using the 3pc Adhoc Attribute Manager Tool

Denise Broom

CADD Applications Support Specialist

Denise.Broom@dot.state.fl.us

(850) 245-1600

What are Adhoc Attributes?

Merriam-Webster's Online Dictionary

ad hoc

2 entries found.

¹ad hoc (adverb)

²ad hoc (adjective)

Main Entry: ²ad hoc

Function: *adjective*

Date: 1879

1 a : concerned with a particular end or purpose <an *ad hoc* investigating committee> **b** : formed or used for specific or immediate problems or needs <*ad hoc* solutions>

2 : fashioned from whatever is immediately available : **IMPROVISED** <large *ad hoc* parades and demonstrations — Nat Hentoff>

- Pieces of user defined information that can be added, or tagged, to MicroStation elements that serve a particular purpose.
- They allow the user to tag descriptive data to the element that can be retrieved later by various processes.

How does FDOT use Adhocs?

- To tag additional information to elements for quantity purposes, sheet definitions, data needed to draw cross sections that accurately reflect the proposed design and descriptive information for other programs such as the DrawSign program.
- Examples of programs that use adhoc information:
 - Drawsign
 - Cross Section criteria files
 - SheetNavigator
 - D&C Manager

Adhocs in the FDOT Criteria

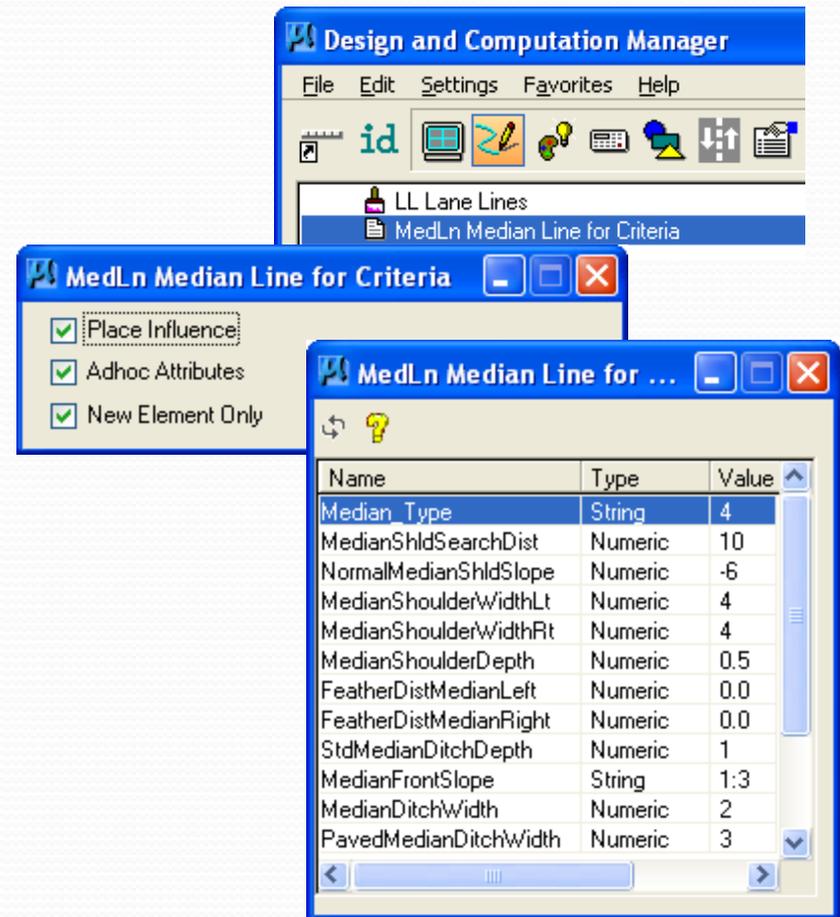
- In criteria, the adhocs represent variables used in the criteria. This gives the user more control over the cross sections graphically through the design file.
 - Feature thickness
 - COGO Profile Names and Chain Names
 - Type of Separator
 - Triggers, i.e. Yes or No
 - Etc.

Creating and Tagging Adhocs

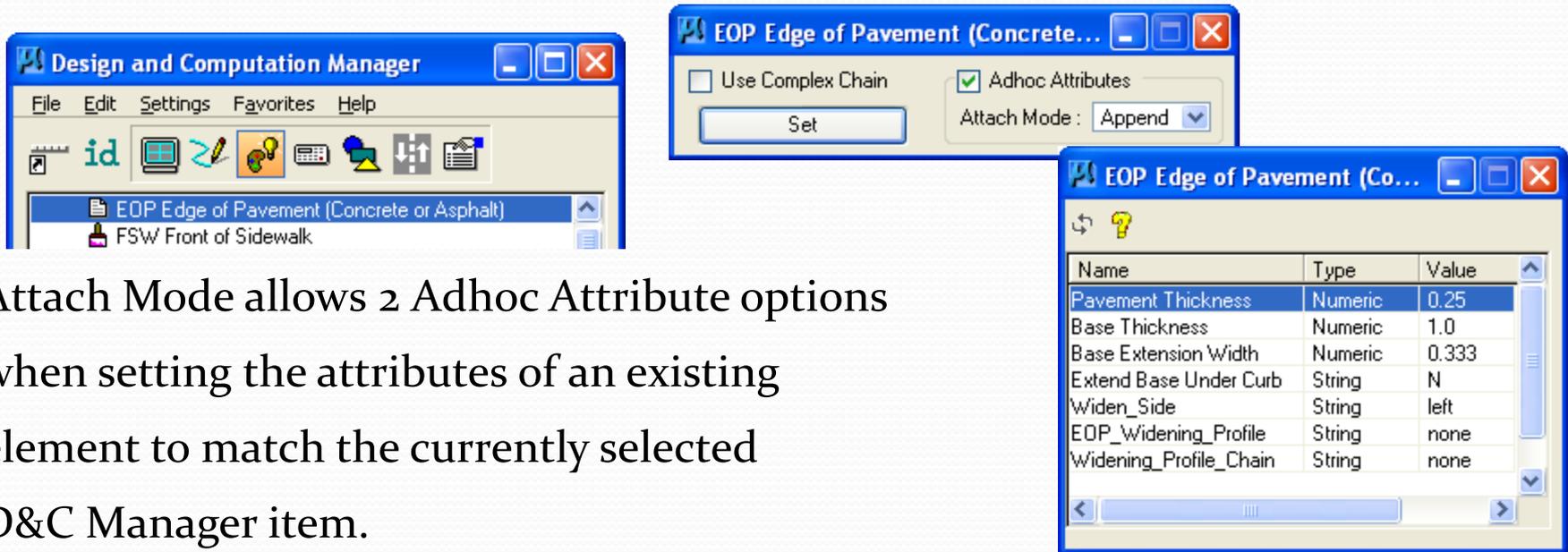
- Adhocs can be created and tagged to an element 4 ways:
 - D&C Manager (or any GEOPAK program that uses DDB features)
 - Adhoc Attribute Manager (GEOPAK or FDOT)
 - Criteria
 - Custom developed programs (such as Sheet Navigator)

Tagging Adhocs to an Element from the D&C Manager in Design Mode

- When an element is placed using the D&C, both the Place Influence toggle and the Adhoc Attributes toggle should be enabled.
- The Adhocs Attributes table will pop-up and allow the user to review and change the Adhoc values as necessary. Each of these Adhoc attributes will be tagged to the element at placement.



Tagging Adhocs to an Element from the D&C Manager in the Set Mode

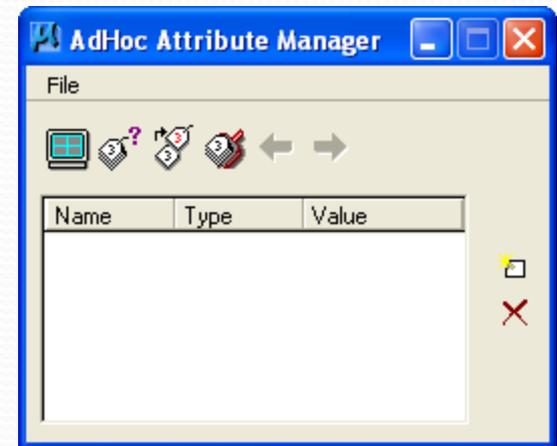
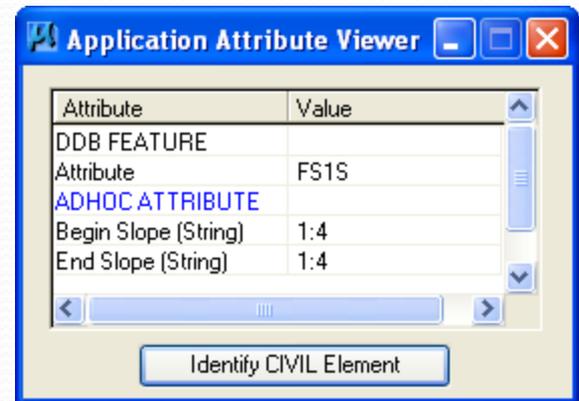


Attach Mode allows 2 Adhoc Attribute options when setting the attributes of an existing element to match the currently selected D&C Manager item.

- Append – adds the adhocs defined for the item in the adhoc attribute table to the adhocs already attached to the element.
- Replace - replaces any adhocs currently attached to the element with adhocs in the adhoc attribute table for the item.

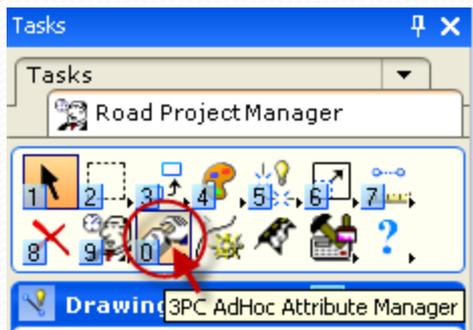
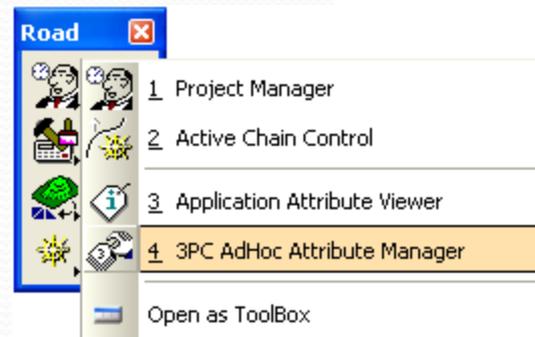
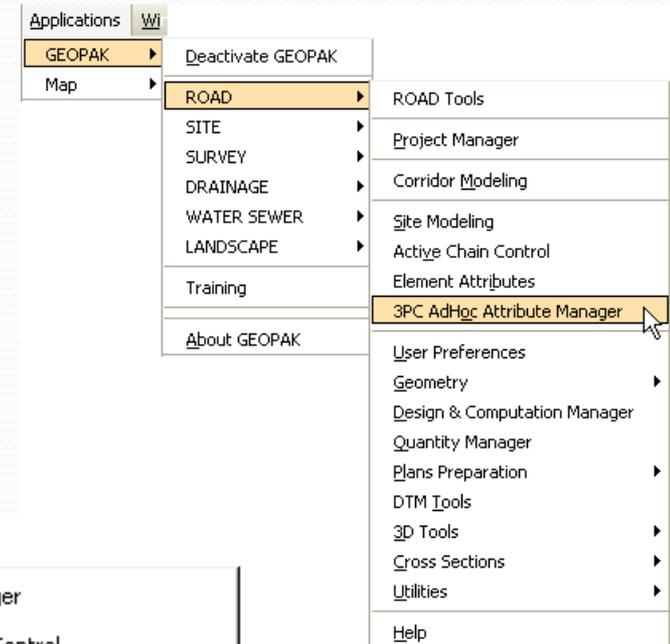
Reviewing Adhoc Attributes

- There are two tools which can be used to display and review the Adhoc Attributes which have been tagged to an element in MicroStation.
 - Application Attribute Viewer
 - Attributes cannot be modified.
 - Adhoc Attribute Manager
 - Use to review or modify attributes.



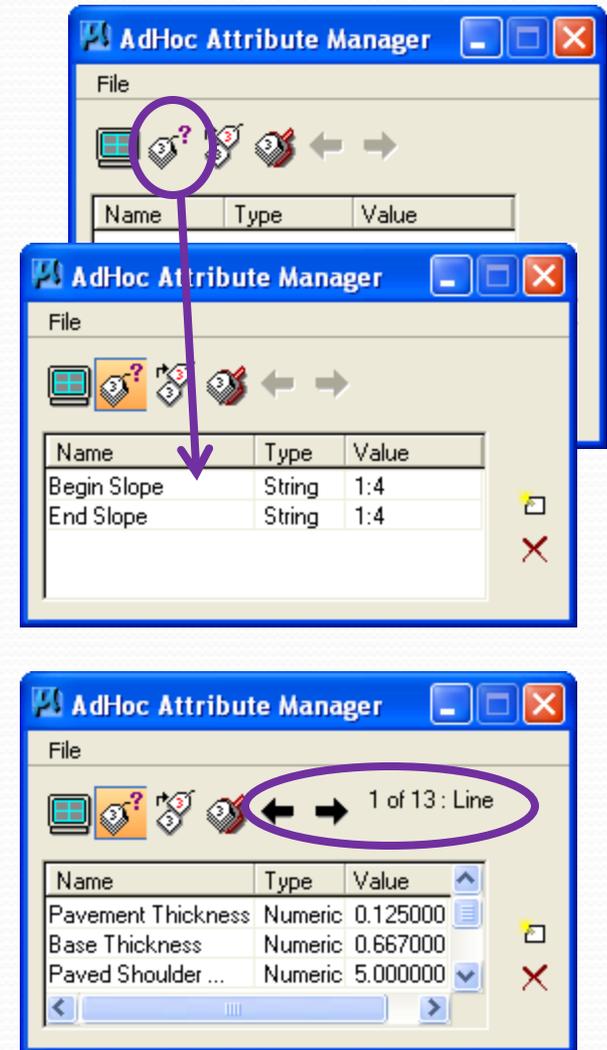
Accessing the AdHoc Attribute Manager

- Applications Menu
- Road Toolbox
- Road Project Manager Task Menu



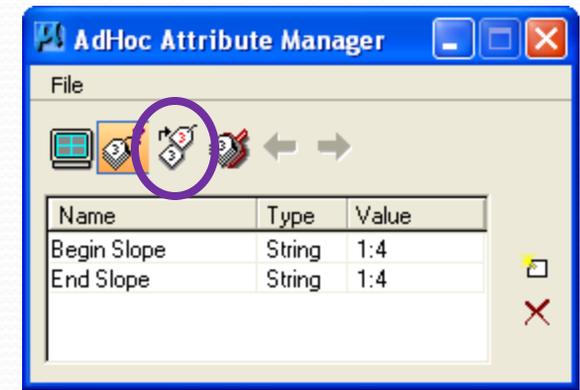
Reviewing Adhoc Attributes

- To review Adhocs tagged to an element, click on the Identify Element icon then data point on the element in the dgn file. Any Adhocs tagged to that element will be displayed in the dialog box.
- This tool also works with MicroStation selection sets. Place elements in a selection set, then press the ID button. Adhoc Attribute Manager will gather all of the adhocs per element and allow the user to review the adhocs by element.



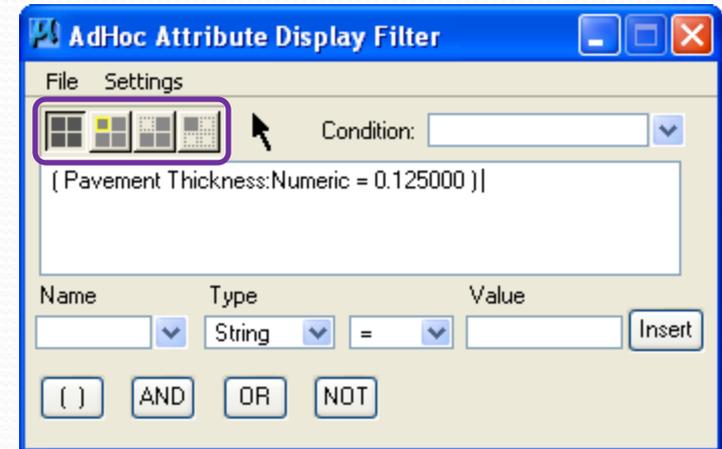
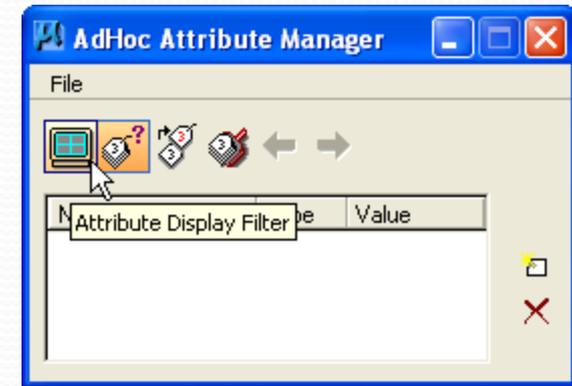
Modifying Adhoc Attributes

- 1) Make sure the Preferences are set to REPLACE.
 - 2) Identify the element with the adhoc that need to be changed.
 - 3) If desired, create a selection set of the elements that have the adhoc that needs to be modified.
 - 4) Click on the Set Attributes button to modify the elements.
 - 5) If a selection set is used, a dialog will pop up asking if you are sure. Click Yes.
- NOTE: The order of the steps is important.



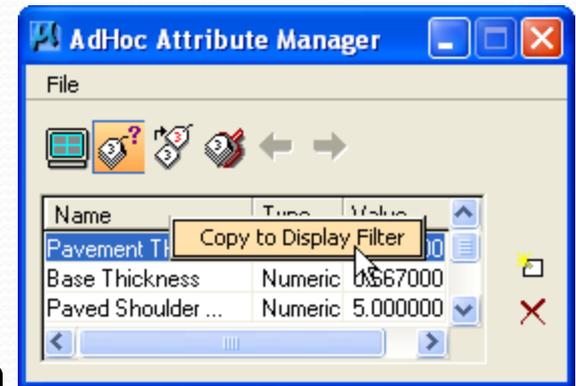
Displaying Elements with Adhoc Attributes

- The Attribute Display filter can control the display of elements with specified adhocs. It is similar to the Display Filter in D&C Manager where the user can control the display and location of D&C Manager items.
- The display of the elements is based on filters defined by the user.
- An example is displaying only EOP's with a thickness of 0.125'. This tool greatly expands the users ability to filter the display of elements and make modifications.



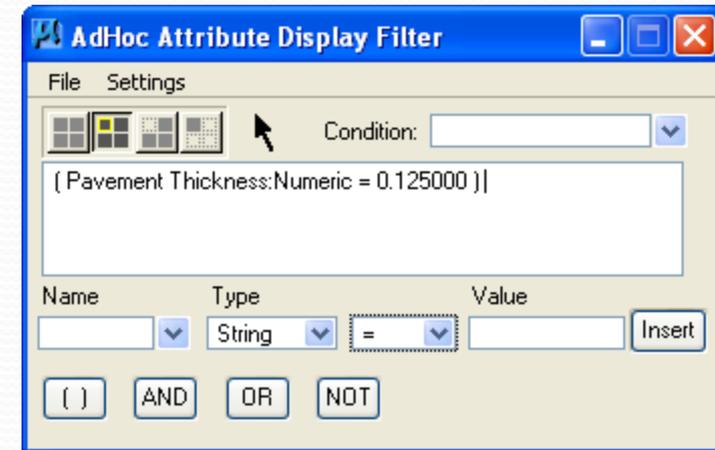
Filtering the Display of Elements with Adhoc Attributes

- To use this tool, identify the element with the Adhoc Attribute Manager ID tool, data point on the element and accept it. This will populate the dialog with the adhoc information.
- To filter the display by a certain adhoc attribute, highlight the entire row then right click to get the option *Copy to Display Filter*. Left click on *Copy to Display Filter*.



Filtering the Display of Elements with Adhoc Attributes

- The Adhoc Attribute Display Filter dialog will list the adhoc(s) for filtering.
- 4 typical Display filters are available:
 - Normal Display
 - Highlight Selection
 - Hide Selection
 - Display Only Selection
- Once filtered, the elements that match the filter may be used for creating a selection set



Note: Additional **conditions** may be added and inserted for additional filtering. Filters can be saved via the File pull down using Save As.

Questions???

Thank-you for joining today's
webinar.

(850) 245-1607

E-mail: Denise.Broom@dot.state.fl.us

OR: ecso.support@dot.state.fl.us

<http://www.dot.state.fl.us/ecso>

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