

## FDOT Civil 3D Traffic Plans Sign Tool , Signal, & Lighting



All Presentations and Downloads will be available online  
A link will be emailed to all class registrants

**Randy Roberts**  
Central Office - Tallahassee  
FDOT Engineering /CADD Systems Office  
Email: [randy.roberts@dot.state.fl.us](mailto:randy.roberts@dot.state.fl.us)  
Phone: 850-245-1631



### Application Layout

The screenshot shows the FDOT Sign Assembly Tool 1.02.10 interface. The window title is "FDOT Sign Assembly Tool 1.02.10". The menu bar includes "File" and "Settings". The main workspace is divided into several sections:

- Panel Properties:** Includes tabs for "Panel Properties", "Post Properties", "Assembly Location", and "Labels".
- Panel Layout:** A grid of buttons for selecting panel types, with "Back" and "Front" options.
- Select Panel:** Includes a "Clear Panel" and "Quick Save" button, and a "Use Custom Blocks" checkbox.
- Application:** A dropdown menu set to "Conventional".
- Panel Class:** A dropdown menu set to "School(S)".
- Panel Name:** A dropdown menu set to "S1-1".
- Search All Panel Label Names:** A checkbox that is currently unchecked.
- School - watch for children:** A text input field with a search icon.
- Panel Size:** A dropdown menu set to "36"x36".
- State:** A dropdown menu set to "Proposed".
- Main Panel:** A checked checkbox.
- Custom Size:** An unchecked checkbox with an empty text field.
- Custom Area:** An unchecked checkbox with an empty text field.
- Show/Update Block Preview:** A button next to a preview window showing a "watch for children" sign.
- Panel Custom Label Fields:** A section with six text input fields labeled "Field 1" through "Field 6".

Callouts on the left side of the screenshot describe the following areas:

- Program Name & Version:** Points to the window title bar.
- Main Menu:** Points to the "File" and "Settings" menu items.
- Sign Assembly file setup and editing:** Points to the "Assembly: sign-001" dropdown and the "Panel Properties" tabs.
- Properties for panels, posts, location, and labeling specs. & placement details:** Points to the "Panel Properties" and "Panel Layout" sections.
- Specifications, block preview & details:** Points to the "Select Panel" section and the "Show/Update Block Preview" button.

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### Panel Properties Tab

**Assembly Name** - A three digit number is added at the end of the name

**Clear Panel** - Used to clear panel properties. This button toggles with Set Panel.

**Set Panel** - Used to enable Panel properties

**Panel Layout** - Defines Panel(s) orientation, Front and/or Back

**Select Panel Properties** - Used to define the properties of the panel(s)

**Preview** - Displays a preview of all panels in the assembly as it will be drawn

**Quick Save** - Allows a save to the sign assembly before drawing insertion

**Custom Blocks** - Selected for use of custom made blocks such as those made in Guidsign

**Block Preview** - Shows Selected panel or Multi panels combined

**Main Panel** - Used to identify the main panel(s)

**Custom Block Definitions** - Size and area of custom made blocks such as those made in Guidsign

**Custom Field Labels** - Used for entering variable information like speeds route numbers

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### Post Properties Tab

**Pay Item** - Can be Auto-Selected based on Select Post properties of manually selected from list.

**Select Post** - Define the properties needed to identify the proper pay item.

**Auto-Select Pay Item** - Will select the appropriate pay item based on post properties.

**Post Block Preview** - Shows the block for the associated post.

**Size and Area** - These fields are not required and will be removed in Phase 2

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### Assembly Location Tab

**Location** - Location can be defined by origin which is selecting a point in the drawing or along object which associates its placement with an object in the drawing

**Station and Offset** - The exact placement location can be defined by station and offset if an alignment object was selected

**Rotation** - The panel assembly may be rotated and placed by absolute or dynamic 2-point methods

**Place Sign Panels** - When all of the placement properties are defined the place sign panels button will allow the user to place the panels in the drawing

**Object ID** - If an object is selected to define placement location, it's ID will be populated. \*An Alignment, Line, or Polyline is considered an object.

**Angle** - When absolute rotation is selected the angle field is used to set the angle the sign panels will be placed

**Place Sign Post** window has the same options except the Place Sign Post button and notation

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### Labels Tab

**Click to place Sign Panels Label**

**Click to place Sign Post Label**

**Current User Settings are displayed and can be customized in User Settings**

**Sign Panels Label**

Place Panel Name	OFF
Place Panel Size	OFF
Use Block(s)	OFF
Is Annotative	ON
Spacing	OFF
Name Block:	panel_test_name
Size Block:	panel_test_size

**Sign Post Label**

Place Payitem	OFF
Place Station	OFF
Use Block(s)	OFF
Is Annotative	ON
Spacing	OFF
Use Leader	OFF
Use Arrow Block	OFF
Center Station	OFF
Payitem Block:	post_test_payitem
Station Block:	post_test_station
LDR_BLOCK_TERM	

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### User Preferences *State Preferences*

Sign Panel Overrides

- Existing to Remain Layer: SignalSupport\_ep
- Proposed Layer: SignPanel
- Relocate 0
- Remove Layer: SignPanel\_ep

Sign Post Override

- Enabled Layer: SignalSupport\_ep

State Prefs | Panel Label Prefs | Post Label Prefs | General Prefs

Save Cancel

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### User Preferences *Panel Label Preferences*

Panel Label Preferences

- Name panel\_test\_name Select Block...  Use Block(s)
- Size panel\_test\_size Select Block...
- Layer: TextLabel
- Spacing: .5
- Block Library: C:\FDOT2012.C3D\Data\Blocks\panelblocks.dwg Browse...

State Prefs | Panel Label Prefs | Post Label Prefs | General Prefs

Save Cancel

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### User Preferences *Post Label Preferences*

Post Label Settings

Leader Settings

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### User Preferences *General Preferences*

Highlight, Zoom, & Placement Settings

Folder locations & Library file settings

Browse to Folder location

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