CDOT Typical Section Release Notes



This document explains the basic functions of the CDOT Typical Section Program. This program writes graphical data to the typical section file at a scale of 1:10. All of the graphical properties such as the levels, patterns, text, and cells are set by default to the standard CDOT configuration. Please refer to the *Known Issues* section of the *ReadMe-CDOT Configuration* file for additional information.

Opening the Program

If you are running MicroStation through a discipline other than Roadway Design, you will need to run the Select Group Environment program before opening MicroStation. Access this from the Window's Start menu under Start > All Programs > _CDOT_CADD_Information > Select Group Environment. Select either Roadway Design or the xxMulti-Discipline group. If this step is not done, the program will not run and you will receive an error in MicroStation because the appropriate levels will not be loaded.



2. Open the file JPC#TypicalSection##.dgn under C:\Project\.....\Design\Drawings\. This file was created when you ran the project creator tool, CreatePrjDir.exe.

Note: The 5 digit Job Project Code has replaced the 'JPC#' in the filename.

3. Open the **Typical Section Program** from the CDOT Group Menus tool bar in MicroStation Select *Add On's* > *Typical Section Program*.



4. The **CDOT Typical Section Program** lets the user input different values based on the desired roadway section. The various options are highlighted in blue.

🙀 CDOT Create Typica	Il Sections V03.00)		
File Options Help				
Pavement Type	Pavement Thicknes Top Lift Lift 3: Lift 2: Bottom Lift ABC: Subbase	1.50 in 1.50 in 1.50 in 1.50 in 12.00 in 12.00 in	Median Type None Barrier Curb Depressed Mountable Curb Paved Single Lane / Ramp	Vertical Factor 2.00 x Actual Vertical Distance Roadway Cross Slope Cross Slope: 2.00 Z-Slopes Dist: 12.00 ft Slope: 6.00 : 1
Left Side Outside Shoulder Travel Lane 10.00 ft 0.00 ft	Inside Travel Lane S	houlder Lt Media	n RtMedian Shoulder ft 0.00 ft 0.00 ft	Right Side Inside Outside Travel Lane Travel Lane 12.00 ft 0.00 ft 10.00 ft
Left Curb None Barrier		Existing Pavement Lt Side Rt Side 0.00 ft 0.00 ft		Right Curb None Barrier
O Mountable Sidewalk: 0.00 ft		Bench Lt Side 0.00 ft	Rt Side 0.00 ft	O Mountable Sidewalk: 0.00 ft
Required Fields (Must be G	reater than 0.0)	For Slope Away from Road	From Road	Apply Close

Program Functions and Options

Data Entry and Placing Graphics

- 5. Different options will become available based on the input field. If the text is red, this is a required data field. Gray means the data field is unavailable for input.
- 6. The **Writelock** option controls the graphics in the file. Select **Options > Writelock** to toggle it **On** or **Off**. If **Writelock** is **On**, permanent graphics will be generated in the file. When the **Writelock** toggle is set to **Off**, the graphics are temporary. If you zoom or pan, the graphics will disappear. A checkmark next to Writelock indicates that it is on.



7. After the **Writelock** option is set, select **Apply** and data click *<D>* in the file JPC#TypicalSection##.dgn to generate the graphics.

Note: The Annotation Scale is set to 1:10 in the model properties by default.

Saving and Opening Settings

8. The data input file can be saved for future use. Select **File > Save.**

CDOT Create	Typical Sections V03	.00	
File Options Help	i		
Open pe-	Pavement Thick	ness	
Save	Top Lift:	1.50	in
Exit	Lift 3:	1.50	in
O Overlay	Lift 2:	1.50	in
O Widening	Bottom Lift:	1.50	in
	ABC:	12.00	in
	Subbase	10.00	in

9. The file will be saved with a *.txt extension. Browse to the location where the file will be saved. Name the file and select **Save**.

Save Settings					?×
Save in:	😂 Miscellaneou	s	~	3 🛊 🖻 🛄 🕶	
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Desktop					
My Documents					
My Computer					
0	File name:	TS_Asphalt_01.txt		*	Save
	Save as type:	Text Files (*.txt)		v	Cancel

10. To open an existing typical section data input file, select **File > Open**.

ile Options Help			
Open Nge		ness	
Save hS	Top Lift	1.50	in
Exit	Lift 3:	1.50	in
◯ 0 verlay	Lift 2:	1.50	in
◯ Widening	Bottom Lift:	1.50	in
	ABC:	12.00	in
	Subbase	10.00	in

11. Browse to the data input file, highlight it and select **Open.**

Load Settings						?×
Look in:	😂 Miscellaneous			~ (1 📂 📰 🔻	
My Recent Documents	TS_Asphalt_01	J				
Desktop						
My Documents						
My Computer		(i)				
	File name:				*	Open
	Files of type:	Text Files (*.	xt)		¥	Cancel

Online Help

12. A **Help** menu has been added to the Typical Sections Program. The same options that are found on the CDOT Menu are found here.

File Options (Help				
Pavement T	CAD Home Pag	e	kness	-	
 Asphalt 	CADD Manual Request a Level Request a Preference Workflows			1.50	in
O Concrete				1.50	in
Overlay _				1.50	in
O Widening	Bo	ttom Lift:		1.50	in
	AB	C:		12.00	in
	Su	hhase		10.00	in