

AUTODESK® CIVIL 3D

# Dynamic 3D Computer-aided Design with Autodesk Civil 3D

Training Course for:  
Autodesk® Civil 3D™ 2007



## Lecture 7 – Supplementary Notes Create and Setting Corridor by Drawing

August 2006

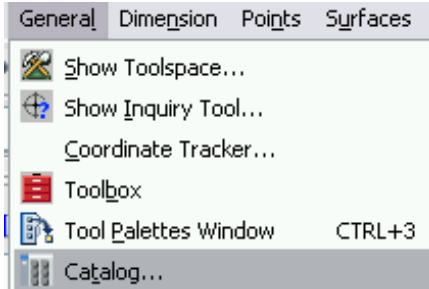
Autodesk®

## Objective

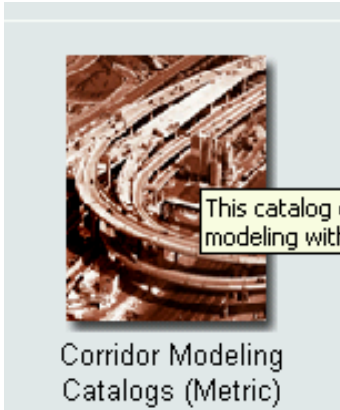
This document describes the steps to Create and Setting Corridors in Civil 3D.

## Exercise

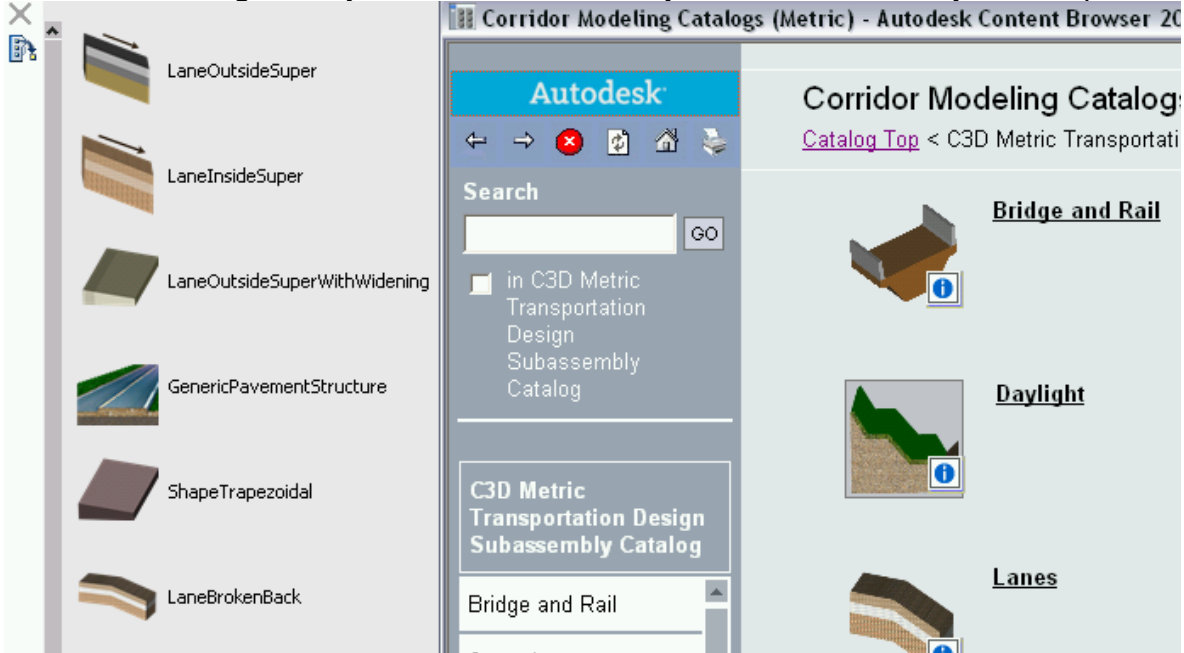
1. Open the 「Test\_1.dwg」 drawing
2. In the menu Toolbar, select 「General」 → 「Catalog」



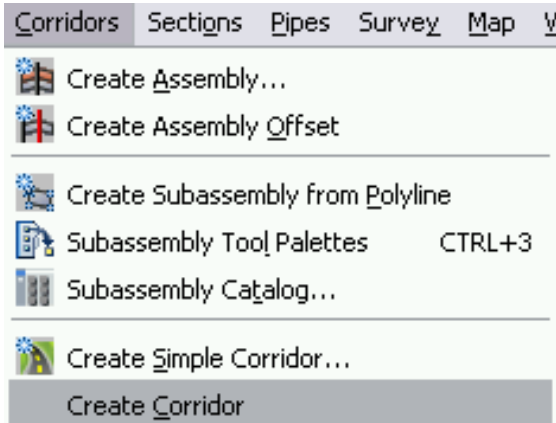
3. Click the 「Corridor Modeling Catalogs (Metric)」



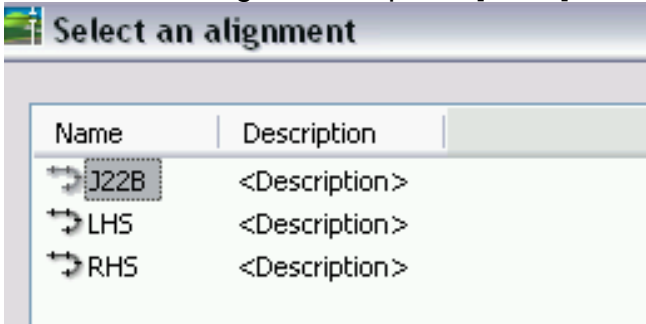
4. In the Catalogs box, you can find the usually use model to click your tool palettes



5. Close the Catalogs box
6. In the menu Toolbar, select 「Corridors」 → 「Create Corridor」



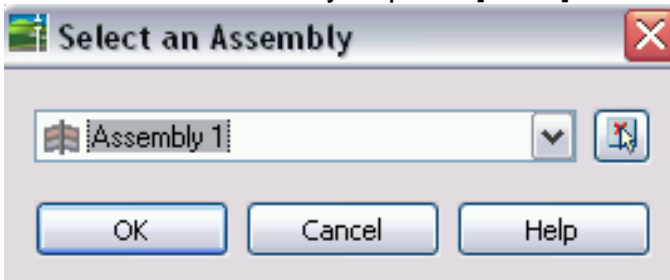
7. Select the alignment or press [Enter] to select alignment (e.g. J22B)



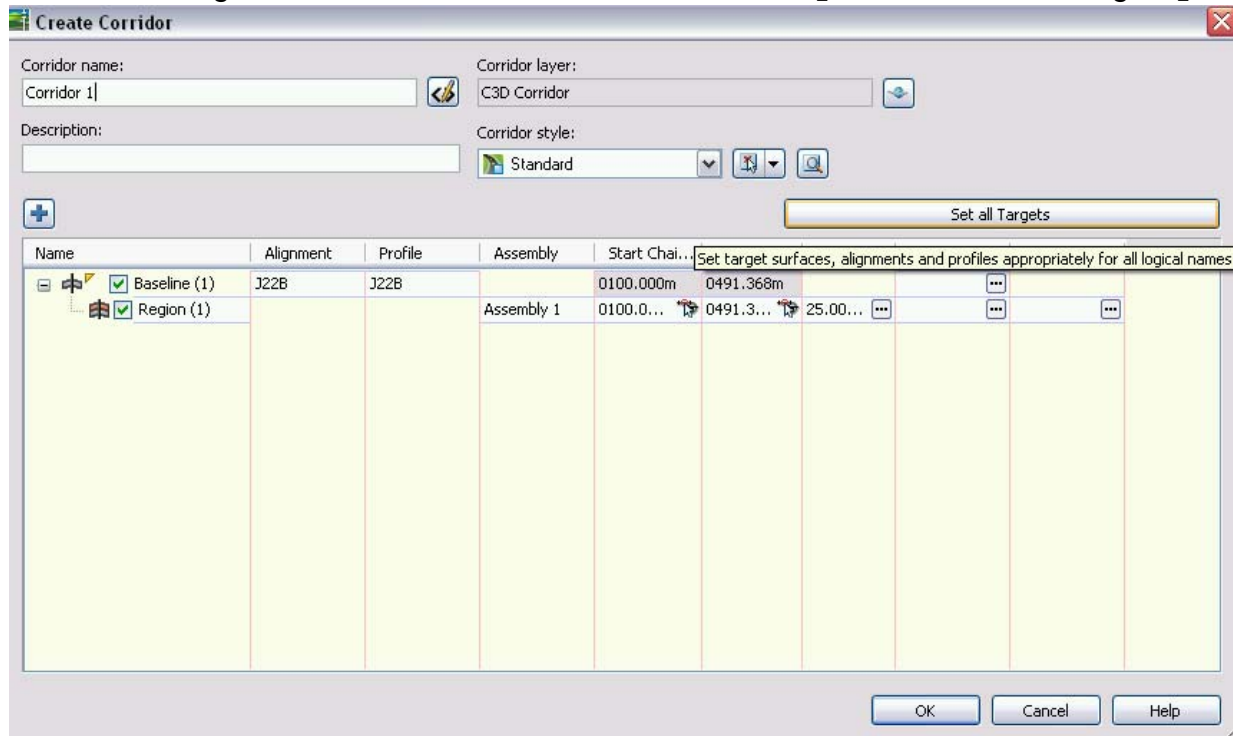
8. Select the Profile or press [Enter] to select Profile (e.g. J22B)



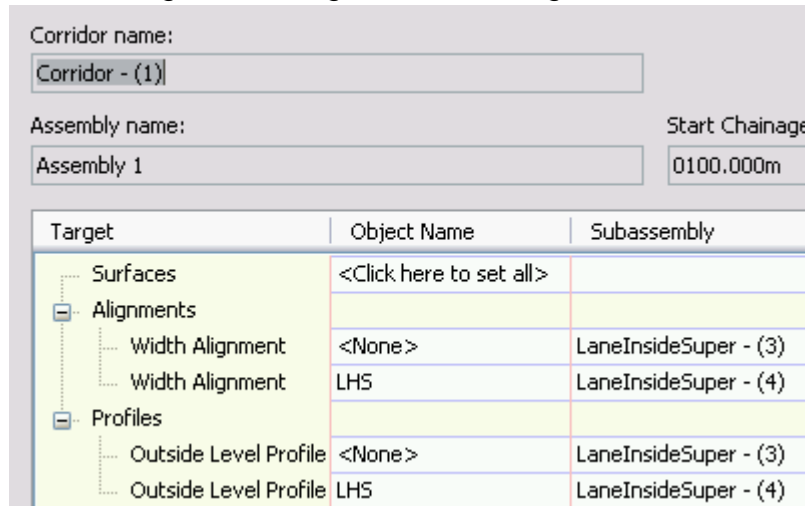
9. Select the Assembly or press [Enter] to select assembly (e.g. Assembly 1)



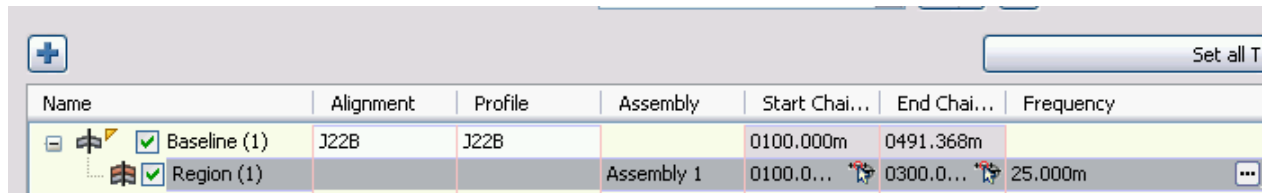
10. In the dialog box, enter the corridor name 「Corridor 1」 & click 「Set all Targets」 icon



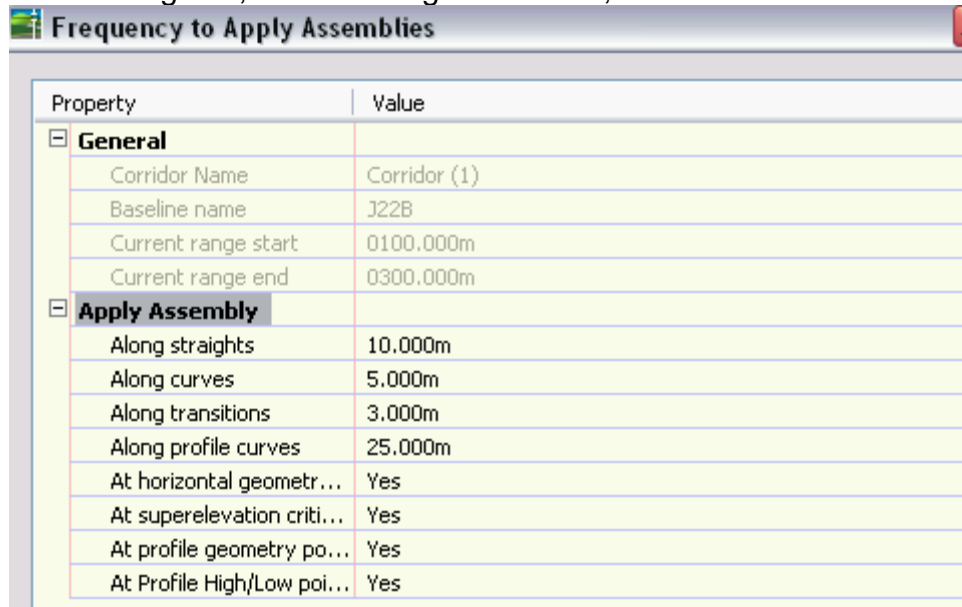
11. In dialog box, change the Width alignment to 「LHS」 & Profile to 「LHS」, press [OK]



12. In Corridor dialog box, setting the start chainage with 100 to 300 & click 「Frequency」

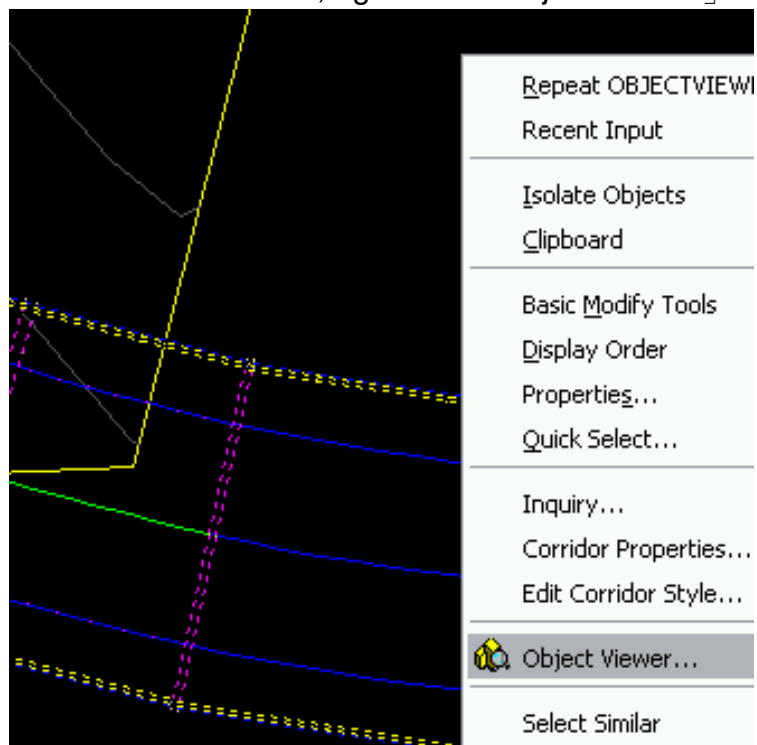


13. In dialog box, set the straight with 10m, curve 5m & transition 3m, press [OK]



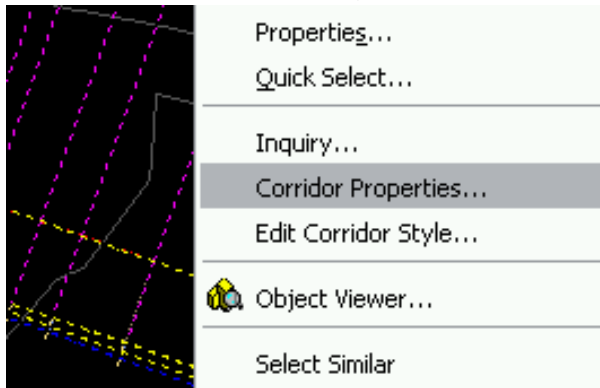
14. In Corridor dialog box, press [OK]

15. Select the corridor, right click 「Object Viewer」






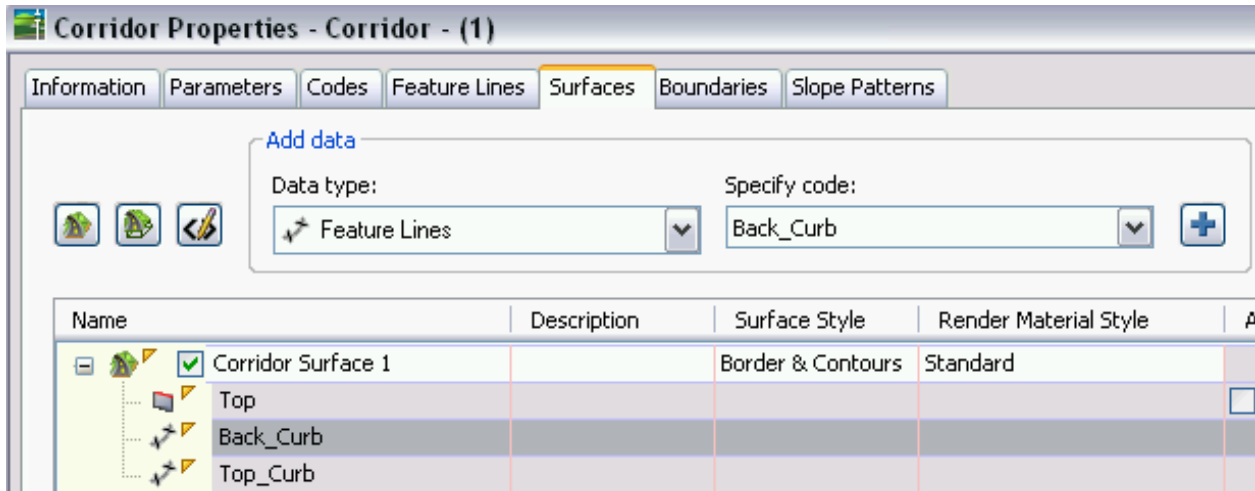
16. Rotate the viewer to show the corridor

17. Select the corridor, right click 「Corridor Properties」

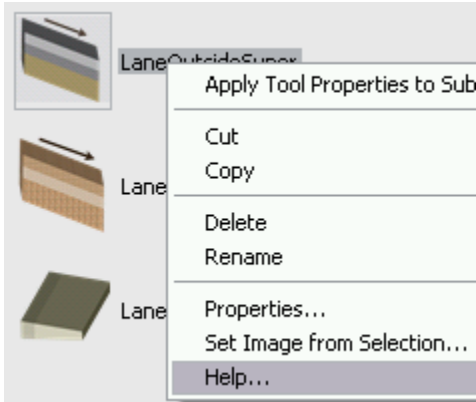


18. In Corridor Properties dialog box :

- Select Surface type
- Click  icon to create new surface
- Select 「Data type」 [Link]
- Select 「Specify code」 [Top]
- Click  icon to Add bottom box
- Select 「Data type」 [Feature Lines]
- Select 「Specify code」 [Back\_Curb]
- Click  icon to Add bottom box
- Return to add 「Specify code」 [Top\_Curb]
- Press [OK]



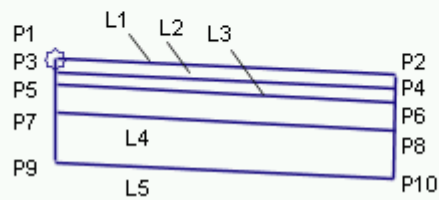
19. Click tool palettes, select 「LaneOutsideSuper」, right click 「Help」



20. In help menu, you can check the model code to create surface and set the properties

L5	Subbase Datum	Subbase surface
S1	Pave1	Area between finish surface and Pave1
S2	Pave2	Area between Pave1 and Pave2
S3	Base	Area between Pave2 and Base
S4	Subbase	Area between Base and Subbase

### Coding Diagram



21. Close the drawing file. Do not save the change