

AUTODESK® CIVIL 3D

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

Training Course for:  
Autodesk® Civil 3D™ 2007



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

August 2006

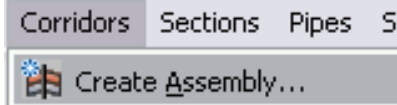
Autodesk®

## Objective

This document describes the steps to create Assembly and Corridors in Civil 3D.

## Exercise

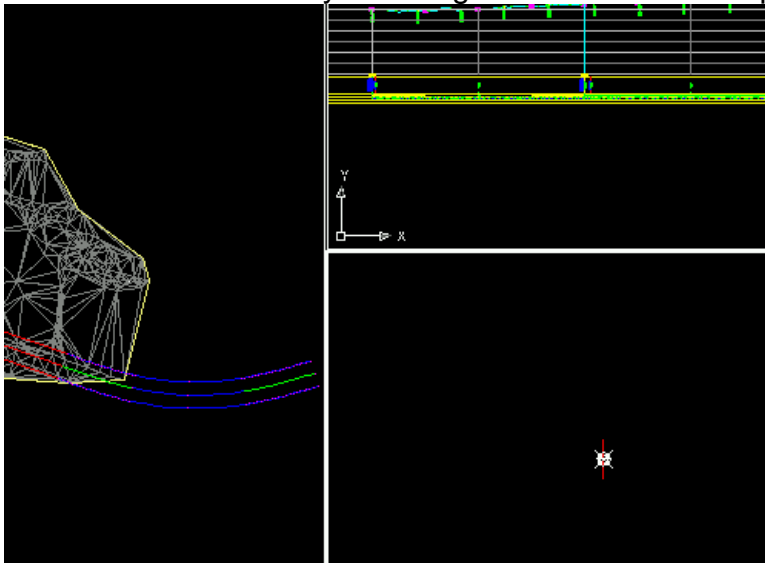
1. Open the 「Corridors\_1.dwg」 drawing
2. In the menu Toolbar, select 「Corridors」 → 「Create Assembly」



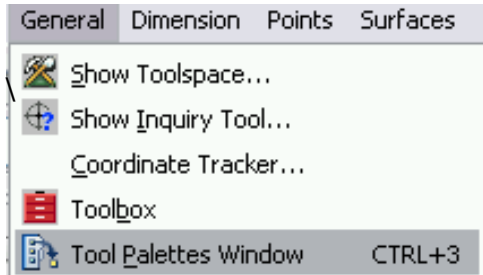
3. In the dialog box, enter name 「Assembly 1」, press [OK]



4. Select the assembly in the right bottom windows space



5. In the menu Toolbar, select 「General」 → 「Tool Palettes Windows」



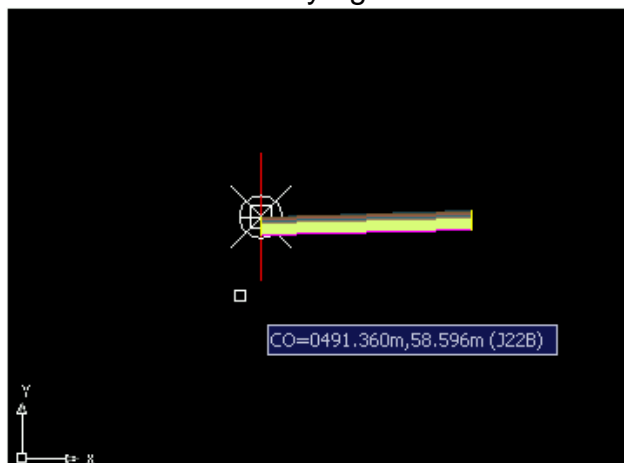
6. In the tool palettes, select 「Metric – Roadway」 → 「LaneOutsideSuper」



7. In the properties, change the 「Width」 [15m] & 「Slope」 [2.5%], select the side [Right]



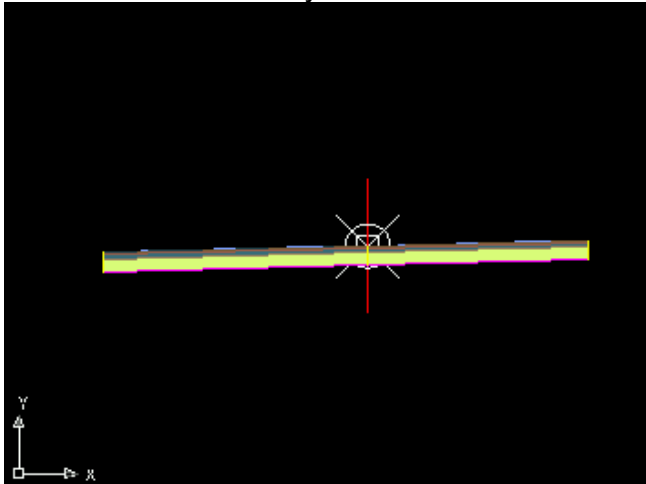
8. Select to assembly right hand side



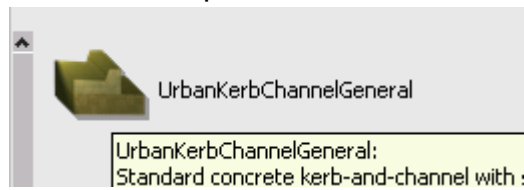
9. In the properties, change the 「Width」 [15m] & 「Slope」 [-2.5%], select the side [Left]

ADVANCED	
Parameters	
Lane Slope	-2.500%
Version	R2007
Side	Left
Crown Point on Inside	No
Width	15.000m
Default Slope	-2.500%
Pave1 Depth	0.025m
Pave2 Depth	0.025m
Base Depth	0.100m
Subbase Depth	0.300m

10. Select to assembly left hand side



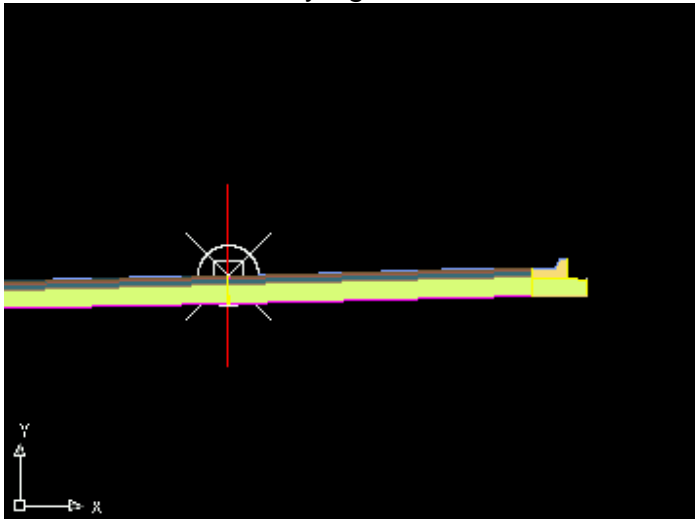
11. In the tool palettes, select 「Metric – Structure」 → 「UrbanKerbChannelGeneral」



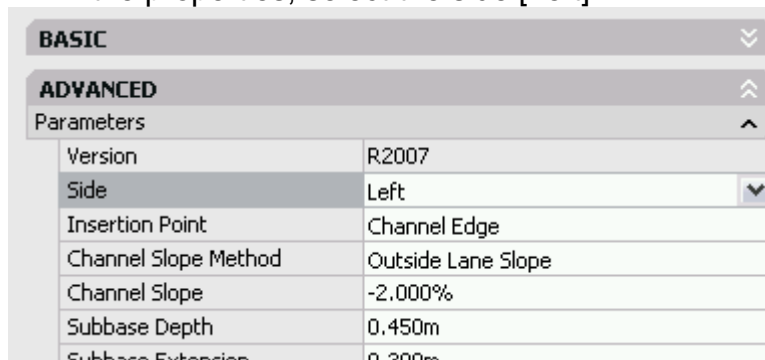
12. In the properties, select the side [Right]

BASIC	
ADVANCED	
Parameters	
Version	R2007
Side	Right
Insertion Point	Channel Edge
Channel Slope Method	Outside Lane Slope
Channel Slope	-2.000%
Subbase Depth	0.450m

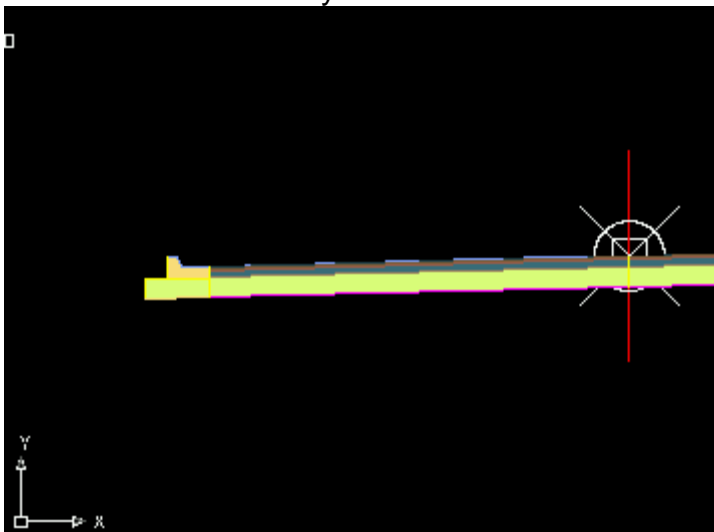
13. Select to assembly right hand side



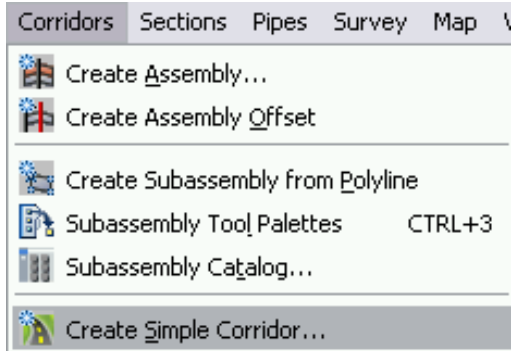
14. In the properties, select the side [Left]



15. Select to assembly left hand side



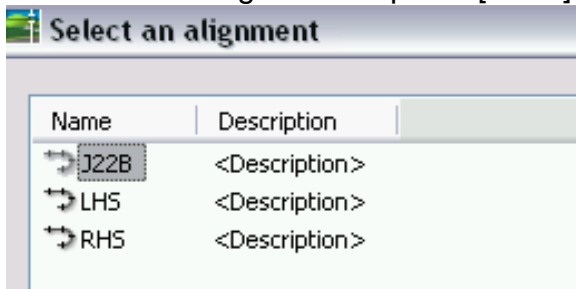
16. In the menu Toolbar, select 「Corridors」 → 「Create Simple Corridor」



17. Enter the name 「Corridor 1」, press [OK]



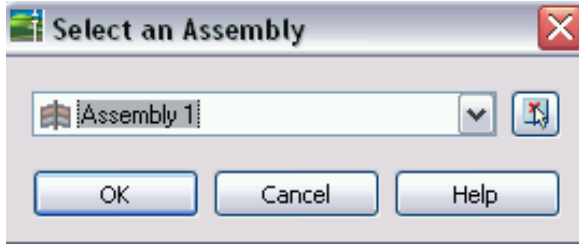
18. Select the alignment or press [Enter] to select alignment (e.g. J22B)



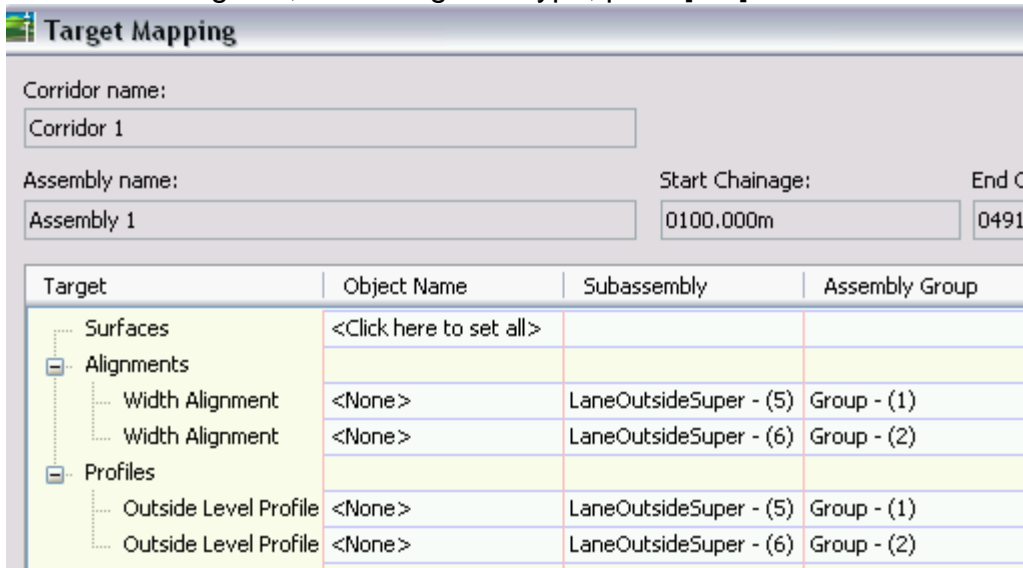
19. Select the Profile or press [Enter] to select Profile (e.g. J22B)



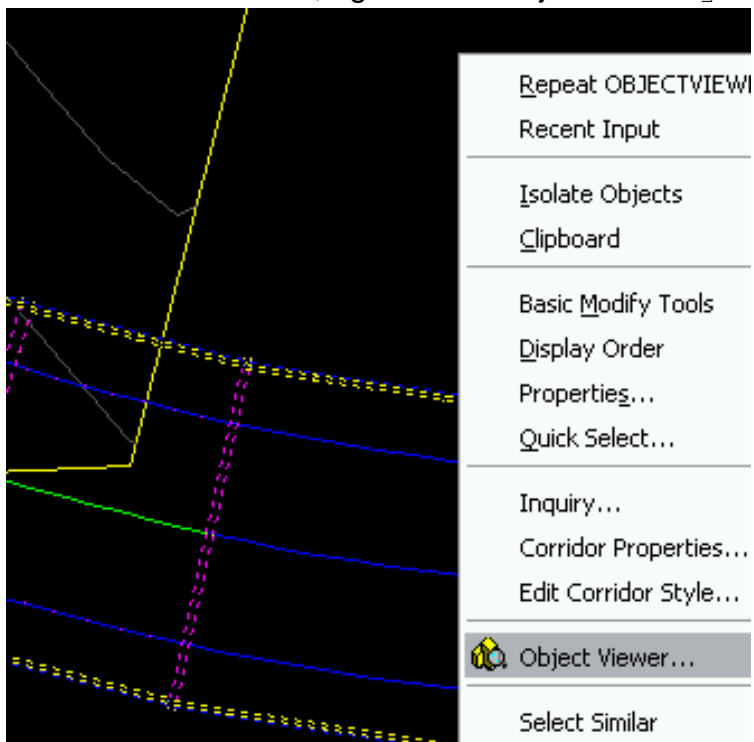
20. Select the Assembly or press [Enter] to select assembly (e.g. Assembly 1)



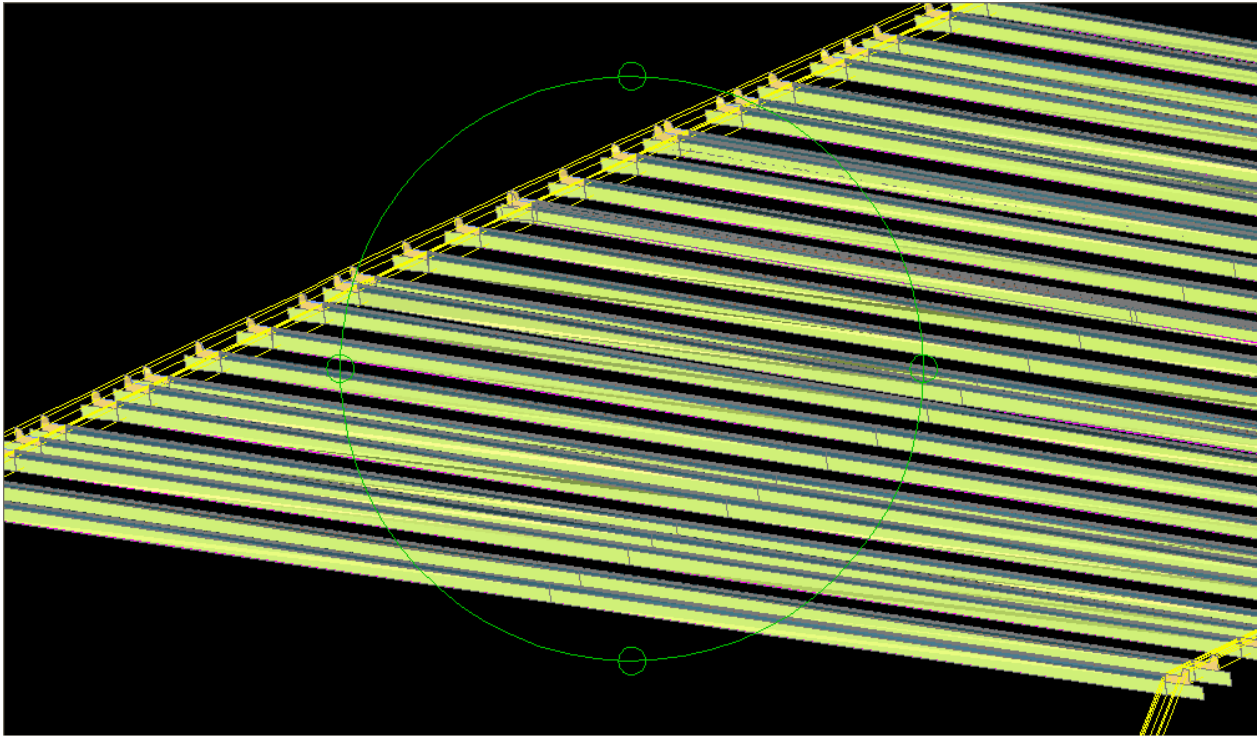
21. In the dialog box, not change the type, press[OK]



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



23. Rotate the viewer to show the corridor



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

