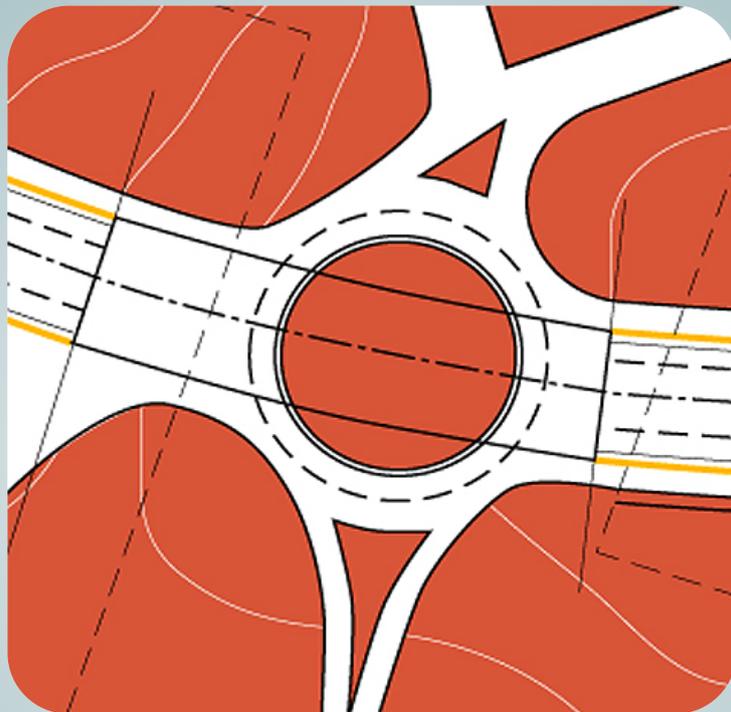


# Workshop on Projects

## Week 11. Activity Lecture Week 11 Script



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## FRIDAY WEEK 11

### VIDEOS PLANOS PLANTA

These videos, studied in last Tuesday's class, show basically how to connect the corridor in Model Space to the plant planes in Paper Space. Three basic procedures were explained for doing this:

- How to create a VIEWPORT.
- How to define the ZOOM XP in a VIEWPORT.
- How to use an UCS for rotating the Model Space into a VIEWPORT.

In this class, we will keep working on these videos, understanding and replaying them.

### VIDEOS PLANOS ALZADO

The first video of this new set shows a command able to create multiple profile views, all of them having a length previously set by the user. The result is a collection of partial vertical profiles that will be related to the set of plant planes created according to the procedure studied above. Pay attention to the way of introducing the superelevation law into the **data bands**<sup>1</sup>.

Video 2 shows several techniques focused on settings for the appearance of the data bands. This task is more typical for the CAD system manager; it is interesting but you can jump this video in this course.

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<sup>1</sup> DATA BAND: LA GUITARRA.

Video 3 shows an improved way of creating a profile view. This resource was initially studied several weeks ago; now, the improvement consists in i) learning how to modify the vertical scale and ii) introducing the superelevation into the data bands.

Once the set of multiple profile views has been obtained (video 1), video 4 simply suggests a way of showing each one of them in a different viewport in paper space. This is the same technique as the one developed in the series of “VIDEOS PLANOS PLANTA”. Usually, each section of plant plane and its related profile view are shown together in a single Paper Space layout.

## VIDEOS SECCIONES

Video 1 shows the technique for making the set of *sample lines*. This is a collection of computational objects having the numerical definition for *cross sections*. In the video the user carries out a previous auxiliary task to create two new alignments parallel to the daylight feature lines of the corridor. These new alignments are for widening the graphic limits of the cross sections. Ask the lecturer if you need a clearer explanation.

Once created this sample lines collection, video 2 shows how to draw them on the drawing. There is a command to do this and its structure is very similar to the one studied for multiple profile views. Once created the collection of sample lines in model space, the set of cross section planes follows the same technique as for the case of plant planes or profile views.