

Practice Exercise 4

Create a Corridor



This exercise provides you with practice for creating a corridor, sample lines, section views, and a surface. You'll use the concepts you learned in Lesson 4: Corridors and Sections.

Instructions:

1. Open the file **Practice Exercise 004.dwg**.
2. Create a Corridor using the TEST ROAD alignment, TEST PROFILE profile, and TEST ASSEMBLY assembly, while targeting the TEST SURFACE surface.
3. Create Sample Lines by the Range of Stations method. All of the settings should be left at the defaults: Station range start and end set to True, swath widths left and right set to False and 50, sampling increments set to True and 50 for all increments, and all additional sample controls set to False.
4. Create a Sample Line from the At Station method using the center of the circle marked 1 as your station and left and right swath widths of 50'.
5. Create a Sample Line using the Select Existing Polylines method and use the line labeled 2.
6. Create section views from the different sample line methods. (When creating multiple cross section views, be sure to set your section placement to Draft. In the Section Display options for corridor style, set to all codes.)
7. Create a surface from your corridor using Links as Data Type and Top as Specify Code. Add a boundary of daylight to your surface.

Once you have completed these steps, please answer the following questions (Precision 0.01):

- What is the top of curb elevation at station 10+50.00? **180.06**
- What is the top of curb elevation for the section you created with the At Station method? **195.63**
- What is the top of the curb elevation on the right-hand side for the section you created with the Select Existing Polyline method? **177.95**
- What is the elevation of the point at the intersection of the X on your corridor surface? **175.43**