

Homework 3

Submit all your files to Canvas for submission.

Total number of files to submit: one .dwg files and two .pdf files.

Problem 1: In this problem, you will draw the following interchange as shown in Figure 1. Include all dimensions and notes shown on the Check Prints.

HINT: Draw one of the interchanges and then mirror the circular interchange for all lanes (there should be a total of four interchanges). Dimension the interchange after you mirror.

Please refer to Homework 3 – Problem 1 – Dimensions and Notes.pdf for all four pages of dimensions and notes specified.

Please refer to Homework 3 – Problem 1 – Check Prints.pdf for final output examples for comparison.

Drawing Units:

- Length Type – Decimal
- Insertion Scale Units – Feet

Viewport Scale:

- 1" = 100'
- Use to create all two .pdf files

Layers:

- See Homework 3 – Problem 1 – Dimensions and Notes.pdf
- For the Viewport,
 - Create a new viewport that will "Fit" completely within the printable area of the page
 - Create a layer with the following properties and change your viewport to this layer:
 - Layer Name – Viewport
 - Color – Red
 - Linetype – Continuous
 - Lineweight – Default
 - Plot – No Plot

Paper Size:

- 11x17

Text Style:

- Use the Standard Text Style for both the Dimension and Multileader Styles
- Use Notes layer for any Text boxes created

Dimension Style (all options default other than ones specified below):

- Style Name – Interchange Dim
- Start With – Standard
- Lines Tab
 - Offset from Origin – 6.25
- Symbols and Arrows Tab
 - Arrow Size – 15.0
 - Center Marks – 4.0
- Text Tab
 - Text Height – 15.0
 - Offset from dim line – 10.0
- Dimension Units:
 - Unit Format – Decimal
 - Precision – 0
 - Add feet symbol to all linear dimensions

Multileader Style (all options default other than ones specified below):

- Style Name – Interchange MLeader
- Start With – Standard
- Leader Format Tab
 - Size – 15.0
- Leader Structure
 - Set Landing Distance – 15.0
- Content Tab
 - Text Height – 15.0
 - Landing Gap – 9.0

File Name:

- LastName_FirstName_HW3_Prob1.dwg
- LastName_FirstName_HW3_Prob1_Dim.pdf
- LastName_FirstName_HW3_Prob1_Notes.pdf

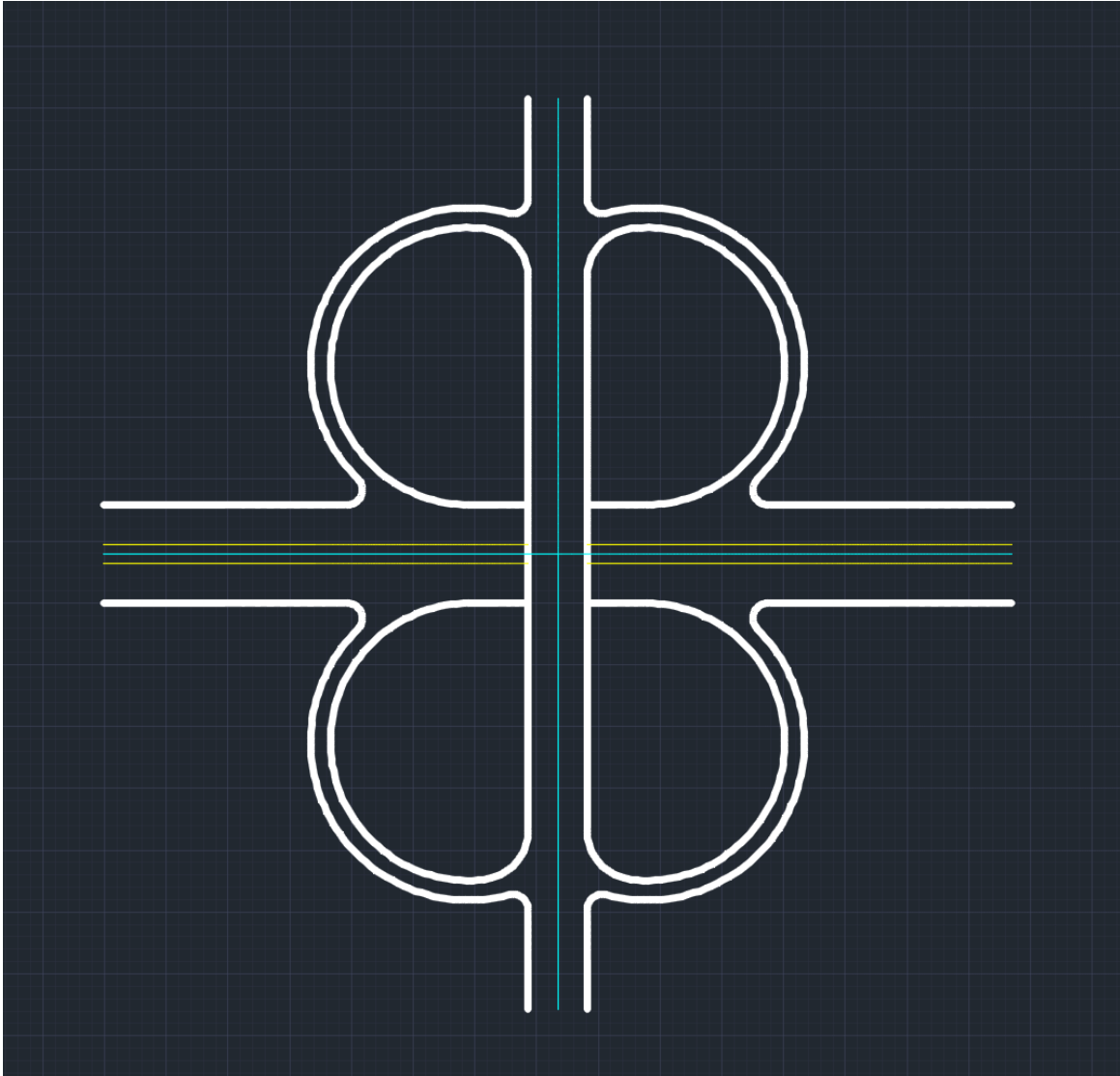


Figure 1: Interchange Diagram