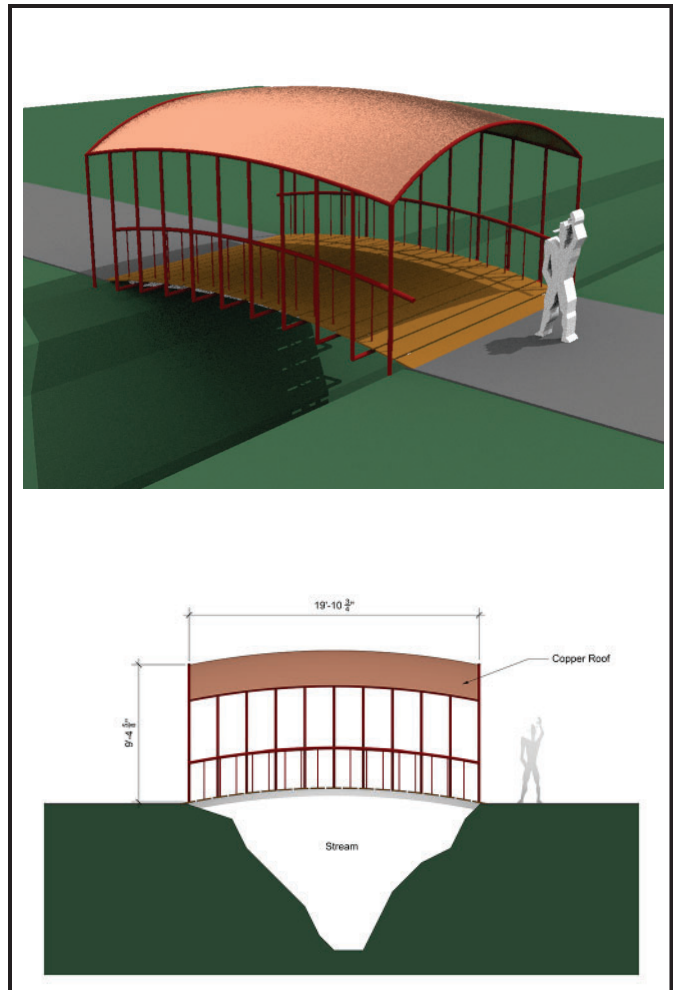


## Project Description

Congratulations! The design is complete, the pricing has come back and you are ready to start construction. Unfortunately, the county's architectural review committee has decided they need to see if the bridge conforms to their aesthetic standards before the permit can be issued. For your submission, they are asking for two renderings, a plan and a section.

Thus, for this assignment, take the bridge and roof structure you designed for assignment #2 and create the desired images and drawings. Because your roof structure is still in Grasshopper, begin by baking those surfaces and/or solids in order to turn them into actual Rhino geometry. Note that materials are often more easily assigned to layers, so consider creating new layers before baking the Grasshopper surfaces.

Once you have all your geometry ready, proceed with creating the renderings. Depending on your computer and its setup, you may use either the internal "Rhino Render" or the plug-in "V-Ray". Avoid using the available material libraries and instead create basic materials for each object in your scene. NOTE: The site is grouped, so try assigning materials to layers, rather than drag and dropping on the geometry. Use the renderer's sun system to both light the model and create interesting shadows. You will likely need to adjust the sun for each image. Also, consider creating "Named Views" for each "camera".



For the drawings, create two layouts. One with a plan and then one with a section. Determine a single scale that will work for both so that each will fit on an 8-1/2" x 11" (letter) sized PDF. Create a few notations, like dimensions, leaders and text blocks that help describe what the committee will be looking at.

## Project Requirements

1. Create materials, a sun and render TWO different views that best present your project. Save these as JPG's.
2. Create TWO 8-1/2"x11" (letter) size PDF files. One will be a plan and the other a section. For the section, use the clipping plane to cut along either the longitude or latitude axis.

## Schedule

Your **3DM**, **JPG's** and **PDF's** are due on Canvas by 11:59 pm on September 24th, 2026. If you have issues uploading your files to Canvas, you can send them as an attachment to me electronically at [pnoldt@uh.edu](mailto:pnoldt@uh.edu). Please note that grades for the session are due the evening of Tuesday September 29th.