**Technical Report: Designing a Cable hanging bridge.**

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**EEE154: Introduction to Engineering Drawing, Section: 13**

**Group: D**

**Introduction:** In this report, the instructions for the designing of a bridge is shown with details demonstration. To sketch the bridge, I started with a reference image which I found in internet. I applied numerous operations on this reference to obtain a complete bridge design. On this Complete Bridge Design project, my part was to sketch side view. My reference image of designing the project is showed below.

**Reference image:**

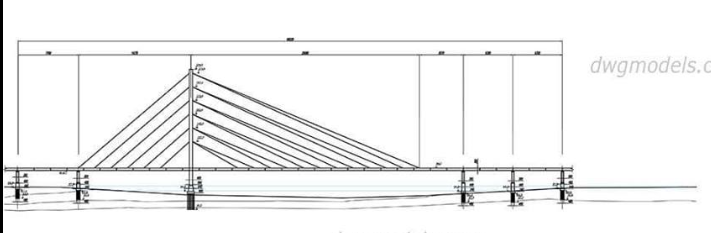
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Fig 0.1: Reference Image

**Step 1:** Defining Layers as necessary.

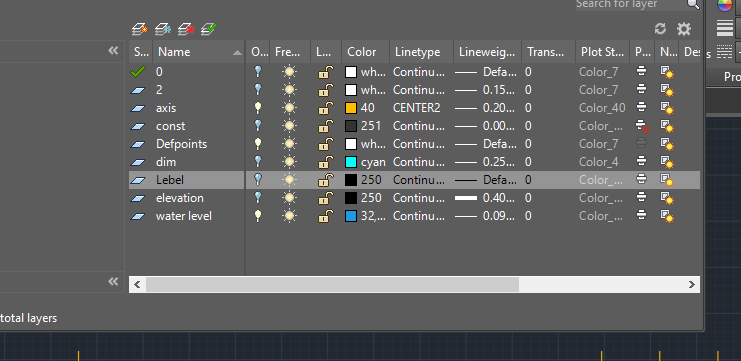


Fig 1: Defined layers

**Step 2:** Plotting axis and water level as construction lines.

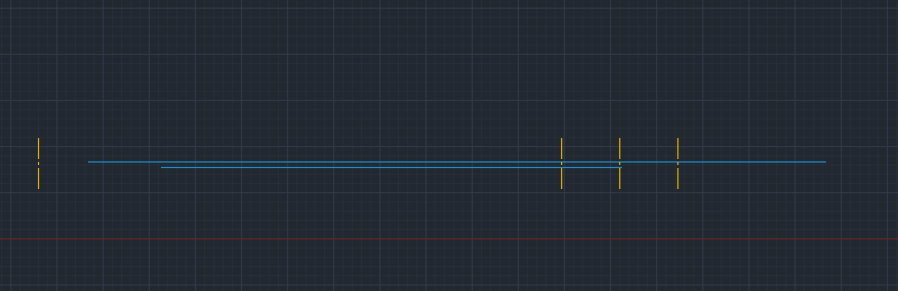


Fig 2: Axis and water level

**Step 3:** Adding pillars in the axis lines.



Fig 3: Pillars were added

**Step 4:** Adding street or pathway over the pillars.

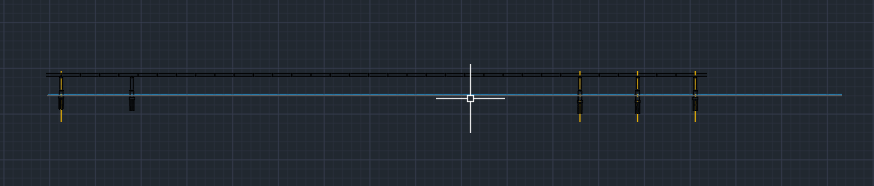


Fig 4: Pathway was added

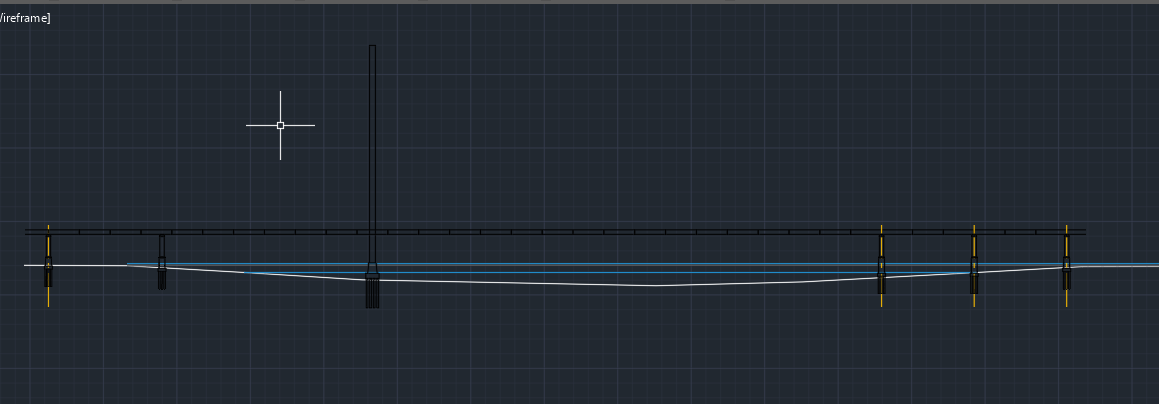
**Step 5:** Adding another pillar to hold the cables.

Fig 5: Cable pillar was added

**Step 6:** Adding cables holding the bridge.

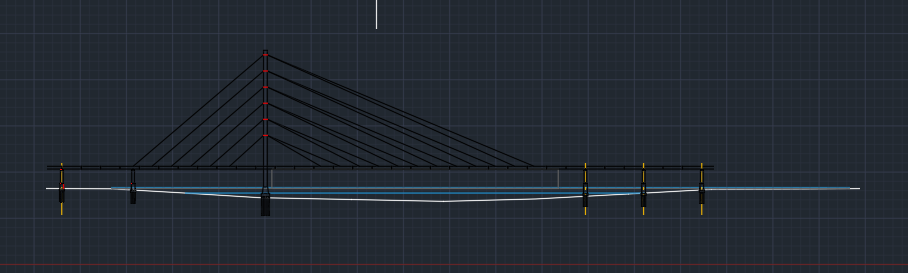


Fig 6: Cables were added

**Step 7:** Semi Final view by adding measurements and comments.

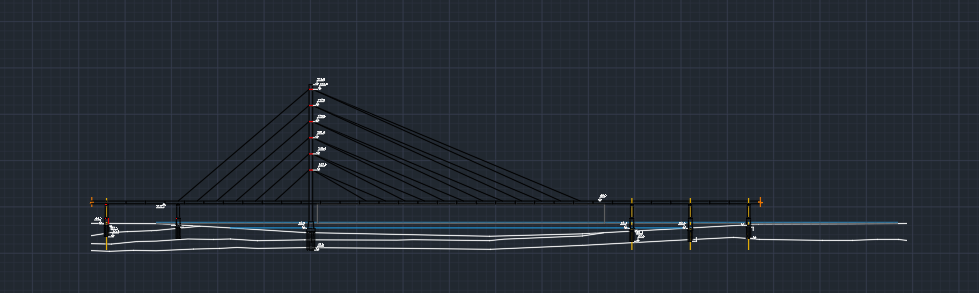


Fig 7: Measurements were plotted

**Step 8:** Final view by adding dimensions.

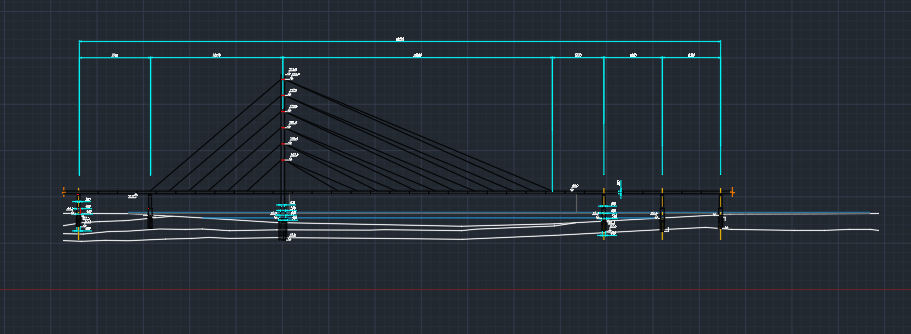


Fig 8: Added Dimension