

## Mini Project on Construction of a Bridge Model by students of Civil Engg., SET

### Salient Features:

- Overall length of deck is **1365 mm** and Width of deck is **170 mm**. and is supported by two towers at c/c distance of **1000 mm**
- Both the towers are of size **(80 mm x 80 mm)** and their heights are **160 mm** and **260 mm**, for actual terrain conditions of unequal foundation depth
- Three longitudinal girders are provided to support the deck. Two girders run throughout the length of bridge and the third girder runs only between the towers in central span. All three girders are braced at bottom joints



### Highlights:

- Material used for model construction involves Popsicle sticks ( $112 \times 10 \times 1$ ) mm<sup>3</sup> connected by glue synthetic resin adhesive (fevicol)
- Weight of the bridge model is **3.40 kg** and its **Weight carrying capacity is about 90 kg**

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**Supported by:** Dr. Nagraj S., HOD, Civil and Dr. Y. Vijay Kumar, Director, SET, JU