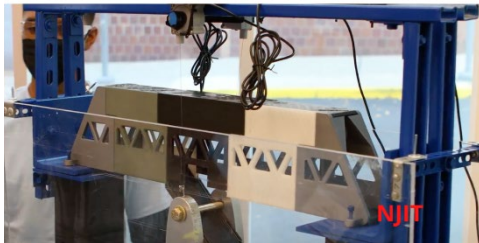


3D Printed Bridge Competition (pilot run)

Clary (need CEE)



NJIT has developed a 3D Printed Bridge Competition that they would like to make a permanent ASCE competition. We tried to pull a team together to attempt this but could not get enough interest. NJIT is still interested in our feedback on the competition and rules.

- Pilot the competition so we know more about it
- Provide feedback to NJIT
- Learn more about the completion if we want to try it in the future.
- Analyze, design, and test 3d printed bridges 770 mm x 150 mm x 75 mm (approximate).

Three-dimensional printing (3DP) is considered relatively new in applications to the engineering field. 3DP operates by adding layers of material on top of each other to create a solid object which in turn saves labor cost, minimizes material waste, and optimizes building time. While 3DP first started commercially to create prototypes and small-scale models, technology has advanced to where 3DP can be used to print full size houses and bridges.