The Great Dinkytown Bridge Challenge:
An At-Home STEM Activity

Are you ready to take on the challenge of designing and building the greatest bridge Dinkytown has ever seen?

In this video, your bridge mentor Logan Carstensen will help guide you through an at-home bridge building activity. Follow along with the video, and complete the tasks to design, build, and assess a model bridge that meets real-world regulations. And don’t be nervous — real-life bridge engineers Brandon Day (from MnDOT) and Jim Archer (from Bolton & Menk) also will be there to help you along the way!

You can share your results by emailing your photo to ctsedu@umn.edu.

Supplies you will need:

- Paper and pencil
- Use what you already have at home for bridge materials:
  - Legos
  - Cardboard, glue, scissors
  - Popsicle sticks, glue
  - Toothpicks, glue
  - Spaghetti, glue, rubber bands
  - Cans, blocks, bricks, weights