# STEEL BRIDGE COMPETITION

ILLINOIS INSTITUTE OF TECHNOLOGY

- **A**dvisor
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- Majors
  - Architecture
    - CS
    - CAE
      - MMAE
- Website
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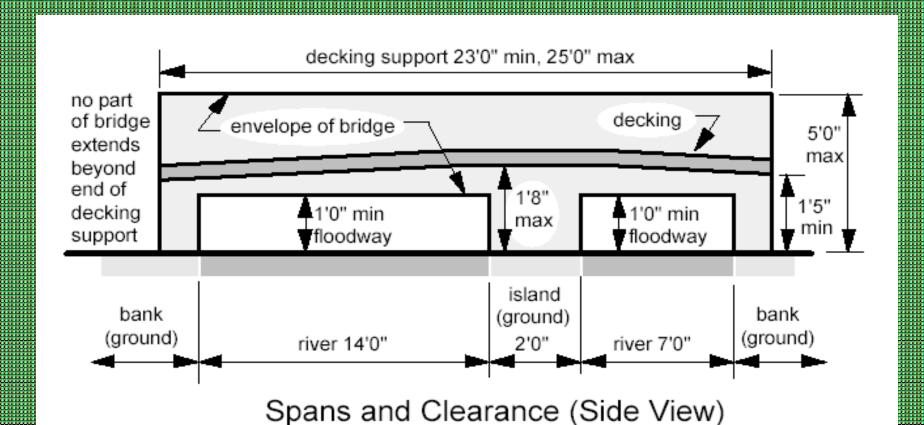
- Design and fabricate a model steel bridge based on the following criteria
  - **Durability**
  - **Considio**
  - **Usa**oiliy
  - Siliness
  - **Constituetien Sees**e
  - **E**fice contex

  - Aesthetics

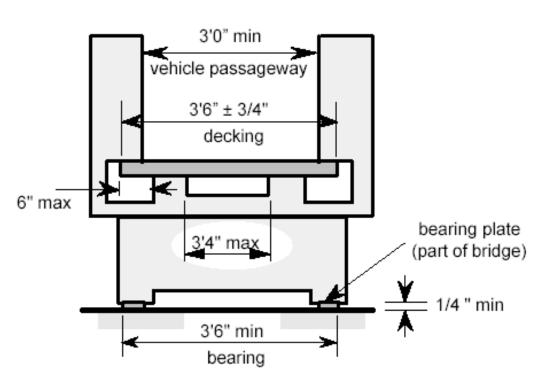
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- Design
- Fabricate
- Raise funds
- Obtain tools
- Purchase shirts
- Compete

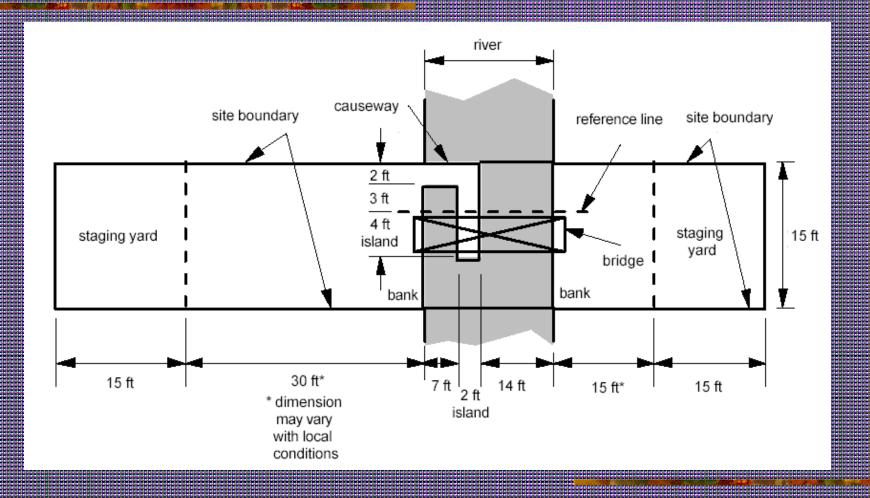
- Preliminary ideas
  - I-beam, truss, and/or cable-type
- Primary design premise finalized
- Score analysis
  - Weight, stiffness, and structural efficiency considered
  - Aesthetics and construction speed neglected
- Member connections

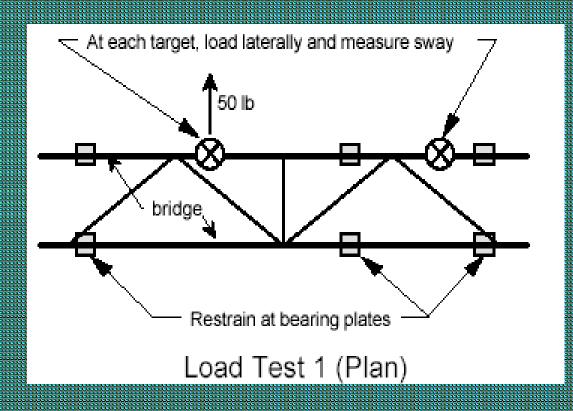


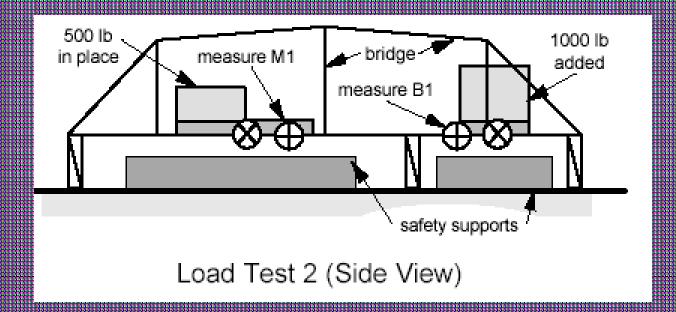
#### Physical Consitainis, contid

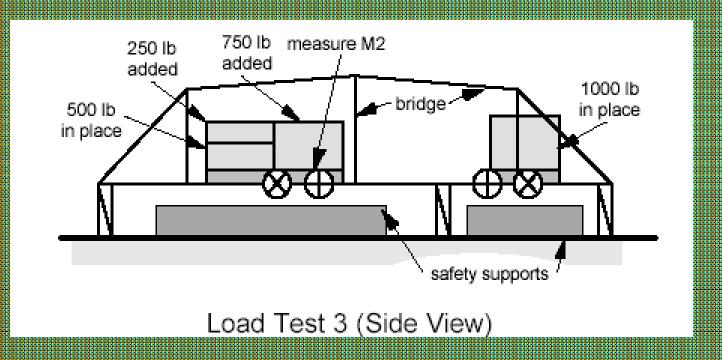


Deck Support, Roadway and Bearing (End View)

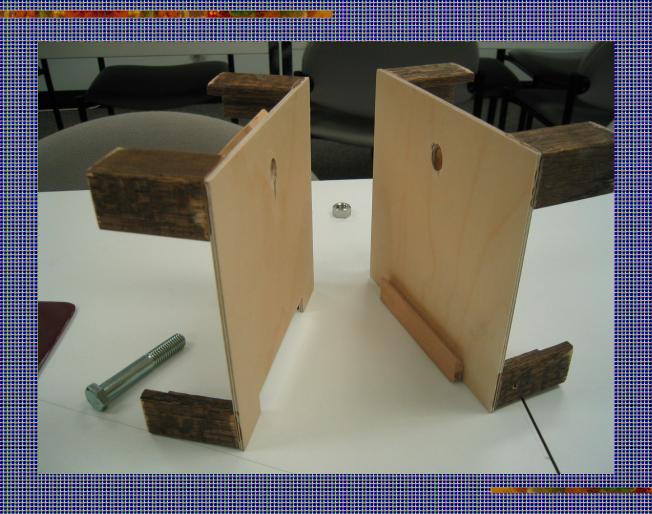








# Connection Design



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- ... (Dræsielienne) zies

# Bride Fabrication



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- roitsonost <mark>-</mark>
- Hotel Accommodations
- <mark>- Regisitation Fees</mark>

**L** Boli Connections 

