

BEC 2012 Suspension Bridge

Key Dimensions

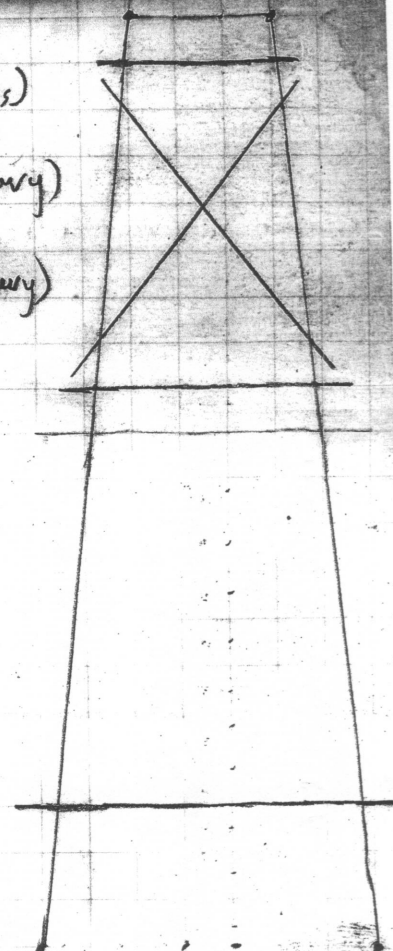
Tower Height 20'
 Tower Taper 7' → 3'
 Roadway length ≈ 80' - 100'
 Cables 150' of 3/4" manila

Tower Materials (for 2 towers)

Uprights 4x 20'
 Lower Horizontal 2x 8' (Heavy)
 Intermediate Horizontal 2x 8'
 Upper Horizontal 2x 4' (Heavy)
 Diagonal Braces 4x 10'
 20' Ropes 10
 15' Ropes 15

Materials

Spars and ropes for towers 2
 150' 1/2" walkway ropes 100 x 30"
 Walkway treads/rungs 2
 150' 3/4" cables 100 x 10'
 Stringers 100 x 15'
 Single blocks and ropes to fix 2 x
 1/4" slings 2 x
 Com. alongs 2 x
 Sacking
 Binders twines
 Shovel
 3/8" slings 2 x



Notes

- Ensure proper placement of top and bottom horizontals on towers
- Attach stringers with clove hitches on both ends. Knot to the cable and the run.
- Mause all hooks
- Tie roadway from the middle outward.
- Use Sacking on all anchors