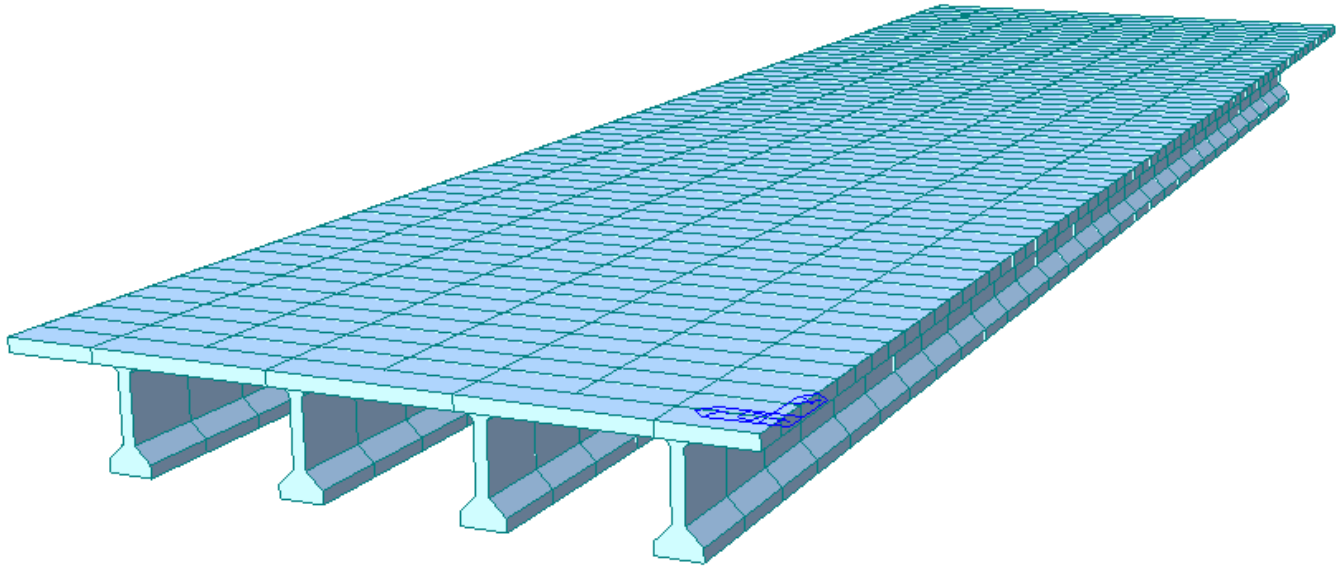
midas Civil Learning

Season 1

Episode 3

Calculating All About Your Section Is 10 Steps Away



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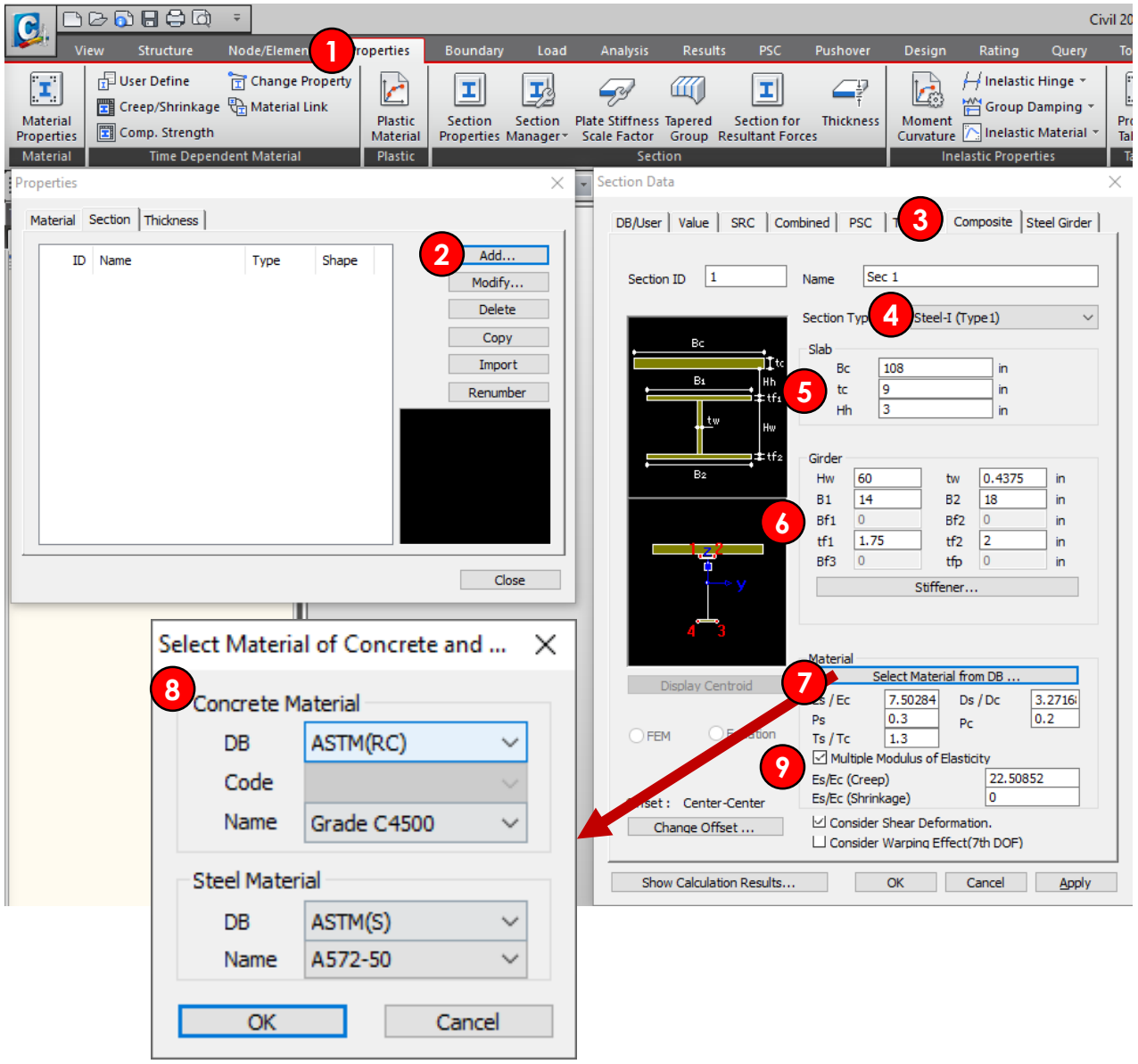
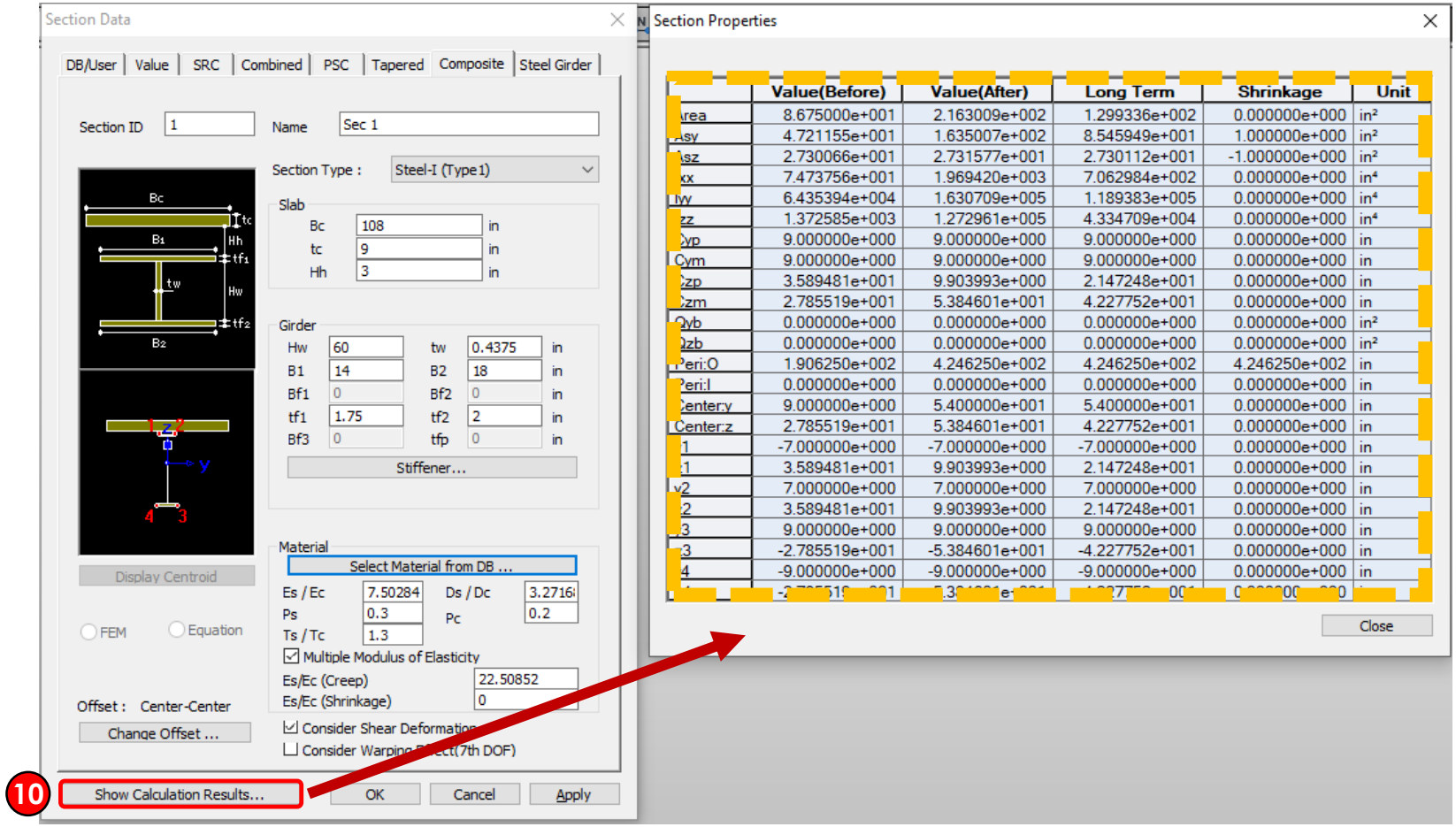


1. Go to **Section Properties**
2. Click **Add...**
3. Go to **Composite** tab
4. Select **Steel-I (Type 1)** for Section Type
5. Type slab information
    1. Bc: 108 in
    2. tc: 9 in
    3. Hh: 3 in
6. Type girder information
    1. Hw: 60 in
    2. Tw: 0.4375 in
    3. B1: 14 in
    4. B2: 18 in
    5. tf1: 1.75 in
    6. Tf2: 2 in
7. Click **Select Material from DB…**
8. Select following materials
    Concrete material
    - DB: ASTM (RC)
    - Name: Grade C4500

    Steel material
    - DB: ASTM (S)
    - Name: A572-50
9. Click **Multiple Modulus of Elasticity**
    1. Type 22.50852 for Es/Ec (Creep)



10. Click **Show Calculation Result…**

Ta-da! You can check before composite, after composite, long term, and shrinkage section values here!

10. Take screen shot of the orange highlighted boxes and email them to hopekang@midasoft.com