

# **PTI DC-20 TG-A Web Meeting Minutes Dual Banded Tendons TN**

**July 26, 2017 11:00 AM – 11:40 AM EST**

---

## TG Members Present:

Jonathan Hirsch, Hamid Ahmady, Asit Baxi, Kyle Boyd, Carol Hayek

## Staff Present:

Miroslav Vejvoda, Amy Dowell

## **Web Meeting to discuss the outline for the dual banded tendon TN**

- The outline for the TN was discussed and amended
- Chapter assignments were secured (Attachment A)

Draft is due by September 18, 2017.

Jonathan will send out reminders of the deadline 2-3 weeks prior to the deadline.

# Two-way banded tendon layout

- 1) History of Tendon Layouts (Asit, Hamid)
    - a) Distributed tendon layouts
    - b) Banded-Distributed layouts
  - 2) Potential benefit of two-way banded tendon layouts (Carol)
  - 3) Behavioral considerations of two-way banded tendons (Kyle, Jonathan)
    - a) Similarities to banded-distributed tendons
    - b) Initial stress considerations
    - c) Service considerations
      - i) Precompression (including corner panels)
      - ii) Flexural tensile stress limits
      - iii) Cracking
      - iv) Deflections
    - d) Strength considerations
      - i) Flexural strength
      - ii) One-way shear strength
      - iii) Punching shear strength
  - 4) Proposed minimum bonded reinforcement in the panel (Kyle, Jonathan)
  - 5) Other design/analysis considerations (Asit)
    - a) Concentration of tendons over columns/delamination
    - b) Concrete cover/stressing sequence
  - 6) Case studies and examples (Jonathan – Martin)
- (deadline for draft submissions Sept. 18)