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)