

EXPECTED IMPLEMENTATION JANUARAY 2020

960 POST-TENSIONING COMPONENTS (REV 5-10-19) (FA 7-15-19) (1-20)

SUBARTICLE 960-2.1 is deleted and the following substituted:

960-2.1 Anchorage Assembly:

1. Construct anchorages from ferrous metal.
2. Anchorages shall develop at least 96% of PT steel actual ultimate strength when tested in an unbonded state, without exceeding anticipated anchor set.
3. Average concrete bearing stress shall be in compliance with AASHTO LRFD Bridge Design Specifications and AASHTO LRFD Bridge Construction Specifications.
4. Test anchorages with typical local zone reinforcement shown in system drawings.
5. Test anchorages in accordance with AASHTO LRFD Bridge Construction Specifications, or the European Assessment Document Post-Tensioning Kits for Prestressing of Structures (EAD 160004-00-0301, September 2016 Edition) with the exception that the design concrete strength used in the testing will be 6,500 psi. For anchorages that will be used for tendons with flexible filler, test anchorages in accordance with EAD 160004-00-0301 Section C.3 Resistance to Fatigue.
6. Anchorages with grout or flexible filler outlets shall be suitable for inspection from either top or front of anchorage. Anchorages may be fabricated to facilitate both inspection locations or may be two separate anchorages of the same type, each providing singular inspection entry locations.
7. Geometry of grout and flexible filler outlets must facilitate access for borescope inspection directly behind wedge plate using a straight 3/8 inch diameter drill bit.
8. Ferrous metal components of an anchorage that are to be embedded in concrete shall be galvanized in accordance with Section 962. Other anchorage assembly components, including wedges, wedge plates, and local zone reinforcement need not be galvanized.
9. All anchorages shall have a permanent vented anchorage cap bolted to the anchorage.

SUBARTICLE 960-2.3.2.2 is deleted and the following substituted:

960-2.3.2.2 Bar:

1. Prestressing bars shall be in accordance with Section 933.
2. Bar couplers shall be in compliance with AASHTO LRFD Bridge Design Specifications and AASHTO LRFD Bridge Construction Specifications.
3. Test bar couplers in accordance with AASHTO LRFD Bridge Construction Specifications or the European Assessment Document Post-

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Tensioning Kits for Prestressing of Structures (EAD 160004-00-0301, September 2016 Edition). For bar couplers that will be used for tendons with flexible filler, test bar couplers in accordance with the EAD 160004-00-0301 Section C.3 Resistance to Fatigue.

4. Use only spherical nuts to anchor bars at bearing plates.