CHAPTER 3—REFERENCED STANDARDS

CODE

3.1—Scope

3.1.1 Standards, or specific sections thereof, cited in this Code, including Annex, Appendixes, or Supplements where prescribed, are referenced without exception in this Code, unless specifically noted. Cited standards are listed in the following with their serial designations, including year of adoption or revision.

3.2—Referenced standards

3.2.1 *American Association of State Highway and Transportation Officials (AASHTO)*

LRFDUS-8—LRFD Bridge Design Specifications, 8th Edition, 2017, Articles 5.8.4.4.2, 5.8.4.4.3, and 5.8.4.5

LRFDCONS-4—LRFD Bridge Construction Specifications, Fourth Edition, 2017, Article 10.3.2.3

3.2.2 *American Concrete Institute (ACI)*

301M-16—Specifications for Structural Concrete, Article 4.2.3

318.2-19—Building Code Requirements for Concrete Thin Shells and Commentary

332M-14—Residential Code Requirements for Structural Concrete and Commentary

355.2-19—Qualification of Post-Installed Mechanical Anchors in Concrete and Commentary

355.4M-11—Qualification of Post-Installed Adhesive Anchors in Concrete

369.1M-17—Standard Requirements for Seismic Evaluation and Retrofit of Existing Concrete Buildings (369.1M-17) and Commentary

374.1-05—Acceptance Criteria for Moment Frames Based on Structural Testing

423.7-14—Specification for Unbonded Single-Strand Tendon Materials

437.2M-13—Code Requirements for Load Testing of Existing Concrete Structures and Commentary

550.3M-13—Design Specification for Unbonded Post-Tensioned Precast Concrete Special Moment Frames Satisfying ACI 374.1 and Commentary

550.4M-18—Qualification of Precast Concrete Diaphragm Connections and Reinforcement at Joints for Earthquake Loading and Commentary

550.5M-18—Code Requirements for the Design of Precast Concrete Diaphragms for Earthquake Motions and Commentary

ITG-5.1M-07—Acceptance Criteria for Special Unbonded Post-Tensioned Precast Structural Walls Based on Validation Testing

ITG-5.2-09—Requirements for Design of a Special Unbonded Post-Tensioned Precast Wall Satisfying ACI ITG-5.1 and Commentary

COMMENTARY

R3.1—Scope

R3.1.1 In this Code, references to standard specifications or other material are to a specific edition of the cited document. This is done by using the complete serial designation for the referenced standard including the title that indicates the subject and year of adoption. All standards referenced in this Code are listed in this chapter, with the title and complete serial designation. In other sections of the Code, referenced standards are abbreviated to include only the serial designation without a title or date. These abbreviated references correspond to specific standards listed in this chapter.

R3.2—Referenced standards

R3.2.1 *American Association of State Highway and Transportation Officials (AASHTO)*

Three articles of the AASHTO LRFD Specifications for Highway Bridge Design (AASHTO LRFDUS) and one article of the AASHTO LRFD Construction Specifications (AASHTO LRFDCONS) are cited in Chapters 2 and 25 of this Code.

R3.2.2 *American Concrete Institute (ACI)*

Article 4.2.3 of ACI 301M is referenced for the method of mixture proportioning cited in 26.4.3.1(b).

Prior to 2014, the provisions of ACI 318.2 were specified in Chapter 19 of the ACI 318 Building Code.

ACI 355.2 contains qualification requirements for testing and evaluating post-installed expansion, screw, and undercut anchors for use in both cracked and uncracked concrete.

ACI 355.4M contains qualification requirements for testing and evaluating adhesive anchors for use in both cracked and uncracked concrete.

ACI 423.7 requires the use of encapsulated tendon systems for applications subject to this Code.