



## CERTIFIED PUBLIC INFRASTRUCTURE INSPECTOR

### Reference List

The **Certified Public Infrastructure Inspector examination** consists of 150 multiple-choice questions. Candidates are given 3.5 hours to complete the computer-based examination.

**APWA recommends that review for the CPII examination focus on resources and programs that cover the information summarized in the CPII examination content outline.** The percentage of questions in each domain is provided.

**The questions on the examination assume that the candidate possesses practical, hands-on experience of at least five years in the public infrastructure inspection field and is familiar with common practices in North America, especially in the United States.** Some test questions may ask candidates to select the best of available options. Usually, the best response is the one used most broadly across North America as the correct approach to the policy or procedure.

**No preparatory materials are prerequisites to earning APWA certifications.** However, some materials can help you refresh and improve your understanding of the processes and functions. Some suggested preparation publications for the examination might include, but should not be limited to, the resources listed in this document.

**This recommended reading list is intended for use as a study aid only.** Many candidates have found the following materials helpful in preparing for the examination. However, *it should not be inferred that questions in the examination are selected from any single reference or set of references or that study from specific references guarantees a passing score on the examination.* Inclusion on the list does not imply endorsement of these specific references, nor are the test questions necessarily taken from these sources.

(The resources are listed alphabetically by organizations that provide these publications for your convenience.)

Questions should be directed to [certification@apwa.net](mailto:certification@apwa.net).



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

*Policy on Geometric Design of Highways and Streets*. Washington, DC: AASHTO. 2004. Chapter III.

#### **American Concrete Institute (ACI)**

*ACI Manual of Concrete Inspection*. Farmington Hills MI: ACI. 2009.

[MNL-2\(19\): Manual of Concrete Inspection, 11th Edition](#)

*Manual of Concrete Practice, SP-2*. Farmington Hills MI: ACI. 1999.

#### **Americans with Disabilities Act (ADA)**

*ADA Accessibility Guidelines for Buildings and Facilities (ADAAG)*. United States Access Board, Washington DC.

<https://www.access-board.gov/guidelines-and-uniform-federal-accessibility-standards-ufas>

<https://www.access-board.gov/aba/ufas.html>

#### **American Public Works Association (APWA)**

*Construction Inspection Manual*. Kansas City, MO: APWA Press, 2018.

<https://www.apwa.net/Store/detail.aspx?id=PB.E09B>

*Construction Inspection, A Review*. Kansas City, MO: APWA Press 2010.

*Construction Inspection, A Review*. Kansas City, MO: APWA Press 2004.

*Management of Public Works Construction Projects*. Martin, James L.; Kansas City, MO: APWA. 1999. <https://www.apwa.net/Store/detail.aspx?id=PB.AMPW>

*A Field Guide for Inspection of Sewerage and Drainage Construction*. National Society of Professional Engineers, 2011.

<https://www.apwa.net/Store/detail.aspx?id=PB.X1110-EV>

*Public Works Inspectors' Manual, 7th edition*. Erik Updyke, Birch, Silas B. BNI, 2008. <https://www.apwa.net/Store/detail.aspx?id=PB.XINS>

*APWA Standards of Professional Conduct*.

[https://www.apwa.net/library/about/Standards\\_of\\_Prof\\_Conduct.pdf](https://www.apwa.net/library/about/Standards_of_Prof_Conduct.pdf)

#### **American Water Works Association (AWWA)**

*AWWA Standard C605: Underground Installation of PVC & Molecularly Oriented PVCO Pipe and Fittings*. 2005, Denver, CO: AWWA.

<https://standards.globalspec.com/std/1660911/awwa-c605>

*AWWA Standard C651: Disinfecting Water Mains*. 2014. Denver, CO: AWWA.

[https://www.mwa.co.th/download/prd01/reference/AWWA\\_std/Disinfecting\\_Water\\_Mains.p df](https://www.mwa.co.th/download/prd01/reference/AWWA_std/Disinfecting_Water_Mains.p df)



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#### **Asphalt Institute.**

*MS-10 Soils Manual*, 5th edition. Lexington, KY: Asphalt Institute. 2007.

<https://engineeringsolutionsinprint.com/products/ms-10-asphalt-soils>

*Construction of Hot Mix Asphalt Pavements, MS-22*. Lexington, KY: Asphalt Institute. 2020. <https://bookstore.asphaltinstitute.org/catalog/book/ms-22-construction-quality-asphalt-pavements>

*Construction of Hot Mix Asphalt Pavements, MS-22*. Lexington, KY: Asphalt Institute. 2001.

#### **ASTM International**

*ASTM Specification C143: Standard Test Method for Slump of Hydraulic-Cement Concrete*. West Conshohocken, PA: ASTM International. 2007.

<https://www.astm.org/DATABASE.CART/HISTORICAL/C143C143M-08.htm>

*ASTM Specification C173: Standard Test Method for Air Content of Freshly Mixed Concrete by the Volumetric Method*. West Conshohocken, PA: ASTM International. 2007.

<https://www.astm.org/DATABASE.CART/HISTORICAL/C173C173M-07.htm>

#### **Federal Highway Administration (FHWA)**

*Manual on Uniform Traffic Control Devices (MUTCD)*. Washington, DC: FHWA. 2003. <http://mutcd.fhwa.dot.gov/pdfs/2003/pdf-index.htm>

#### **Fisk, Edward R., and Randy R. Rapp**

*Introduction to Engineering Construction Inspection*. Hoboken, NJ: John Wiley & Sons. 2004.

<https://www.wiley.com/en-us/Introduction+to+Engineering+Construction+Inspection-p-9780471201670>

#### **Occupational Safety and Health Administration (OSHA)**

*OSHA Technical Manual*, Section V, chap. 2.

[http://www.osha.gov/dts/osta/otm/otm\\_v/otm\\_v\\_2.html](http://www.osha.gov/dts/osta/otm/otm_v/otm_v_2.html)

*OSHA Excavation and Trenching Standard*, Title 29, part 1926.

<https://www.osha.gov/laws-regs/regulations/standardnumber>

#### **Parmley, Robert O**

*Field Engineer's Manual*, 3rd edition. New York, NY: McGraw-Hill Professional. 2001.

<https://www.bnibooks.com/products/field-engineers-manual-third-edition>



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#### **Portland Cement Association**

*Design and Control of Concrete Mixtures*, 14th edition, Kosmatka, Steven, Beatrix Kerkhoff, and William C. Panarese. Skokie, IL: Portland Cement Association. 2002.

<https://www.cement.org/learn/concrete-technology/concrete-design-production>