

#### ACI is:

- A technical and educational society dedicated to improving:
  - design
  - construction
  - maintenance
  - repair
- One of the world's largest sources of concrete knowledge
- 501.C.3 corporation



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# ACI is NOT:

- A Trade or Promotional Association
- A Government Agency
- An Educational Institution



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#### ACI members are:

- Architects
- Materials Suppliers
- Consultants
- Lawyers
- Contractors
- Researchers
- Educators
- Students
- Engineers
- Laboratory Technicians
- Insurance Agents



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# More than 400 technical documents, including: • Codes

- Specifications
- Reports and Guides
- References
- Annual Manual of Concrete Practice



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#### **Certification Programs**

- Field Testing Technician
- Flatwork Finisher
- Strength Technician
- Laboratory Technician
- Aggregate Technician
- Concrete Construction Inspector
- Tilt-Up Supervisor and Technician
- Shotcrete Nozzleman
- · Adhesive Anchor Installer



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# Educational offerings:

# More than 100 online learning modules supporting:

- Technical committee documents
- Certification
- General education





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#### Part I

- I-A: Why do we need a uniform concrete repair code?
- I-B: Relative success with current repair methods
- I-C: Reasons for repair failures
- I-D: Goals of ACI 562 "Repair Code"

#### Part II

- II-A: Model Building Code
- II-B: Understanding the Code Development Process
- II-C: State and Local Codes
- II-D: Action Plan



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# I-A: Why a Repair Code?

# Create a uniform set of requirements

Consistent methods to decide governing code for repair work

Consistent methods to assess damage

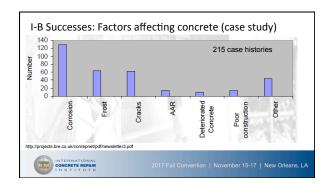
# Identify flexibility in repair solutions

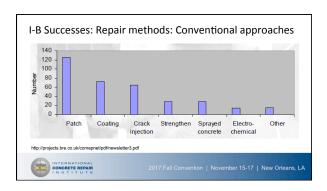
Performance base and prescriptive approach

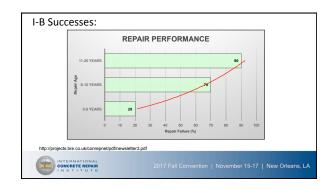


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Part 1-D: What type of code is it?

Performance and prescriptive

Minimum material and design

Minimum life safety and repair performance

Part I-D: Where is ACI 562 applicable?

Buildings that hold a legal certificate of occupancy

CITY OF SOUTH SALT LAKE

CHILDRE OF AGENCY

CONCRETE REPAIR

CONC

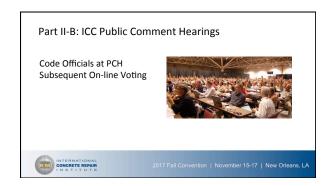














#### Part II-C States:

Local officials voting Legislative influence State codes





Part II-D Plan: Network of Advocates

Network of grass roots initiatives Need committed volunteers Orchestration by ACI and allied interests Need committed organizations Need testimonials for I-code proposals Need code change proposals Need code official testimonies at hearings



# Part II-D Plan: State adoptions - Hawaii State Building Code

(53) Existing Concrete Structures.

Section 3401.6 Alternative compliance is amended to read as follows:

"3401.6 Alternative compliance.

1) Work performed in accordance with the International Existing Building Code shall be deemed to comply with the provisions of this chapter.

2) Work performed in accordance with the 2016 version of the American Concrete Institute Committee 562, "Code Requirements for Assessment, Repair, and Rehabilitation of Existing Concrete Structures" shall be deemed to comply with this chapter when used as a supplement to the requirements of this chapter or the International Existing Building Code. Wherever the term International Existing Building Code (IEBC) is used in ACI 562-16, it shall mean International Existing Building

Gaur Johnson, Moffatt and Nichol



Part II Plan: Representation:

Yourself Your firm

Your organizations

Established as a resource Advise ACI is a professional society Encourage adoption for public benefit



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