IN-LB

Inch-Pound Units

S

International System of Units

Responsibility in Concrete Construction—Guide

Reported by ACI Committee 132





First Printing: December 2024 ISBN: 978-1-64195-293-4

Responsibility in Concrete Construction—Guide

© 2024 American Concrete Institute. All rights reserved.

This material may not be reproduced or copied, in whole or in part, in any form or by any means, including making copies by any photo process, or by electronic or mechanical device, printed, written, graphic, or oral, or recording for sound or visual reproduction for use in any knowledge or retrieval system or device, without the written consent of ACI. This material may not be used by data mining, robots, screen scraping, or similar data gathering and extraction tools such as artificial intelligence ("AI") for purposes of developing or training a machine learning or AI model, conducting computer analysis or creating derivatives of this material, without the written consent of ACI.

The technical committees responsible for ACI committee reports and standards strive to avoid ambiguities, omissions, and errors in these documents. Despite these efforts, the users of ACI documents occasionally find information or requirements that may be subject to more than one interpretation or may be incomplete or incorrect. Users who have suggestions for the improvement of ACI documents are requested to contact ACI via the errata website at http://concrete.org/Publications/DocumentErrata.aspx. Proper use of this document includes periodically checking for errata for the most up-to-date revisions.

ACI committee documents are intended for the use of individuals who are competent to evaluate the significance and limitations of its content and recommendations and who will accept responsibility for the application of the material it contains. Individuals who use this publication in any way assume all risk and accept total responsibility for the application and use of this information.

All information in this publication is provided "as is" without warranty of any kind, either express or implied, including but not limited to, the implied warranties of merchantability, fitness for a particular purpose or non-infringement.

ACI and its members disclaim liability for damages of any kind, including any special, indirect, incidental, or consequential damages, including without limitation, lost revenues or lost profits, which may result from the use of this publication.

It is the responsibility of the user of this document to establish health and safety practices appropriate to the specific circumstances involved with its use. ACI does not make any representations regarding health and safety issues and the use of this document. The user must determine the applicability of all regulatory limitations before applying the document and must comply with all applicable laws and regulations, including but not limited to, United States Occupational Safety and Health Administration (OSHA) health and safety standards.

Participation by governmental representatives in the work of the American Concrete Institute and in the development of Institute standards does not constitute governmental endorsement of ACI or the standards that it develops.

ACI documents are written via a consensus-based process. The characteristics of ACI technical committee operations include:

- (a) Open committee membership
- (b) Balance/lack of dominance
- (c) Coordination and harmonization of information
- (d) Transparency of committee activities to public
- (e) Consideration of views and objections
- (f) Resolution through consensus process

The technical committee documents of the American Concrete Institute represent the consensus of the committee and ACI. Technical committee members are individuals who volunteer their services to ACI and specific technical committees.

American Concrete Institute®, ACI®, and Always Advancing® are registered trademarks of American Concrete Institute.

ACI PRC-132-24

Responsibility in Concrete Construction—Guide

Reported by ACI Committee 132

James M. Casilio, Chair

Julie K. Buffenbarger, Vice Chair

Joseph R. Klein, Secretary

Casimir J. Bognacki Boyd A. Clark Ned M. Cleland Jeffrey W. Coleman Andrew P. Giel Stephanie Lin Hampton James H. Hanson James R. Harris Chad B. Hensley Susanne Hufnagel Cecil L. Jones William M. Klorman Colin L. Lobo Kevin A. MacDonald W. Calvin McCall Lauren G. McCauley Alex Meucci Todd Ohlheiser Michael J. Schneider Richard W. Stone David A. VanOcker Michelle L. Wilson

Consulting Members

Eldon G. Tipping

Amy M.R. Trygestad

The responsibilities of each party in a concrete construction project should be adequately described in the contracts between the parties, including the responsibility for the owner's project objectives. The party controlling that process (usually the owner or the owner's representative) must ensure that the responsibilities of the parties are clear, coordinated, and consistent. Clarity and consistency in the responsibilities defined in the contracts will reduce friction in executing a construction project and reduce the incidence of legal disputes.

This guide identifies and suggests the allocation of responsibilities to various parties involved in concrete construction in the United States; however, the guidance presented may be applicable to contractual relationships addressing concrete construction in other parts of the world. This guide can also be useful in assessing existing contractual documents to determine if they are adequate and balanced with respect to the responsibilities associated with concrete construction.

The responsibilities outlined in this guide, where not required by law, may be modified by contract language or engineer of record (EOR) specification.

Keywords: concrete construction; contracts; owner; responsibility.

ACI Committee Reports and Guides are intended for guidance in planning, designing, executing, and inspecting construction. This document is intended for the use of individuals who are competent to evaluate the significance and limitations of its content and recommendations and who will accept responsibility for the application of the information it contains. ACI disclaims any and all responsibility for the stated principles. The Institute shall not be liable for any loss or damage arising therefrom. Reference to this document shall not be made in contract documents. If items found in this document are desired by the Architect/Engineer to be a part of the contract documents, they shall be restated in mandatory language for incorporation by the Architect/Engineer.

CONTENTS

CHAPTER 1—INTRODUCTION AND SCOPE, p. 2

1.1—Introduction, p. 2

1.2—Scope, p. 2

CHAPTER 2—DEFINITIONS, p. 2

CHAPTER 3—DOCUMENTS REFERENCED IN CONTRACT DOCUMENTS, p. 3

CHAPTER 4—RESPONSIBILITIES OF OWNER, p. 3

4.1—Definition, scope, and objectives of the project, p. 4

4.2—Funding for project, p. 4

4.3—Real estate, rights of way, permits, and insurance,

p. 4

4.4—Project management, p. 4

4.5—Design and construction team, p. 4

4.6—Quality assurance program, p. 4

4.7—Site safety, p. 4

4.8—Environmental regulations, p. 4

4.9—Payment, p. 4

4.10—Project acceptance, p. 4

4.11—Dispute resolution, p. 4

This material may not be reproduced or copied, in whole or in part, in any form or by any means, including making copies by any photo process, or by electronic or mechanical device, printed, written, graphic, or oral, or recording for sound or visual reproduction for use in any knowledge or retrieval system or device, without the written consent of ACI. This material may not be used by data mining, robots, screen scraping, or similar data gathering and extraction tools such as artificial intelligence ("AI") for purposes of developing or training a machine learning or AI model, conducting computer analysis or creating derivatives of this material, without the written consent of ACI.



ACI PRC-132-24 supersedes ACI 132R-14 and was published December 2024. This guide was first published in 2014.

Copyright © 2024, American Concrete Institute.

4.12—Multiple-prime contracts and construction management, p. 4

CHAPTER 5—LICENSED DESIGN PROFESSIONAL, p. 5

- 5.1—Codes and regulations, p. 5
- 5.2—Coordination, p. 5
- 5.3—Design calculations, p. 5
- 5.4—Contract documents, p. 5
- 5.5—Specifications, p. 5
- 5.6—Submittals, p. 5
- 5.7—Field observation, p. 5
- 5.8—Tests and inspections, p. 5
- 5.9—Projects with design delegated to contractor, p. 5

CHAPTER 6—GENERAL CONTRACTOR, p. 6

- 6.1—Construction, p. 6
- 6.2—Review contract documents, p. 6
- 6.3—Subcontractors, p. 6
- 6.4—Payments, p. 6
- 6.5—Communication with subcontractors, p. 6
- 6.6—Preconstruction meeting, p. 7
- 6.7—Project site maintenance, p. 7
- 6.8—Site safety, p. 7
- 6.9—Qualified personnel, p. 7
- 6.10—Quality control, p. 7

CHAPTER 7—DESIGN/BUILDER, p. 7

7.1—Qualified personnel, p. 7

CHAPTER 8—SUBCONTRACTOR, p. 7

- 8.1—Construction, p. 7
- 8.2—Review contract documents, p. 8
- 8.3—Payments, p. 8
- 8.4—Contracts with other entities, p. 8
- 8.5—Prescriptive and performance specifications, p. 8
- 8.6—Site safety, p. 8

CHAPTER 9—SPECIALTY ENGINEERS, p. 8

9.1—Design, p. 8

CHAPTER 10—CONCRETE PRODUCER, p. 8

- 10.1—Concrete mixtures, p. 8
- 10.2—Consistent criteria, p. 9
- 10.3—Contract compliance, p. 9

CHAPTER 11—TESTING/INSPECTION AGENCY, p.

- 11.1—Qualifications, p. 9
- 11.2—Sampling and testing of concrete, p. 9
- 11.3—Preconstruction meeting, p. 10

CHAPTER 12—CONSTRUCTION MANAGER, p. 10

- 12.1—Construction manager, p. 10
- 12.1—Construction manager at risk, p. 10
- 12.2—Agency construction manager, p. 10

CHAPTER 13—MULTIPLE-PRIME CONTRACTOR, p. 10

- 13.1—Responsibilities, p. 10
- 13.2—Coordination and cooperation, p. 10

CHAPTER 14—REFERENCES, p. 10

Authored documents, p. 11

CHAPTER 1—INTRODUCTION AND SCOPE

1.1—Introduction

The responsibilities of each party in a concrete construction project, including the responsibility for the owner's project objectives such as (in no order) functionality, schedule, and sustainability, should be adequately described in the contracts between the parties. The party controlling that process (usually the owner or an owner's representative) must ensure that the responsibilities of the parties are clear, coordinated, and consistent. Clarity and consistency in the responsibilities defined in the contracts will reduce disputes.

1.2—Scope

This guide describes the recommended responsibilities of various parties involved in the design and construction of concrete structures in the United States. While the document is primarily directed to projects in the United States, the guidance presented may be applicable to contractual relationships addressing concrete construction in other parts of the world. This guide is not intended to supersede contracts between the parties. If there are inconsistencies between the parties' contracts and responsibilities defined in this guide, then the contracts between the parties govern the relationships and responsibilities. This guide evaluates the balance of the responsibilities associated with concrete construction.

CHAPTER 2—DEFINITIONS

Please refer to the latest version of ACI Concrete Terminology for a comprehensive list of definitions. Definitions provided herein complement that resource.

agency construction manager—entity that manages the process of a construction project on behalf of the owner without physically delivering a construction project (AIA/MBA Best Practices Guide 2023).

concrete producer—entity that produces concrete and delivers it to the project in a freshly mixed and unhardened state.

construction manager at risk—entity that acts as a consultant to the owner in the development and design phases and acts as the equivalent of a general contractor during the construction phase to deliver a project within the cost and terms of the contract documents.

design/builder—person or entity that undertakes a combination of design and construction for an entire project or a significant portion of a project.

general contractor—person or entity under contract with the owner, responsible for overseeing a construction project, providing the material, labor, equipment, and services necessary for the construction of the project.

