

**BUILDING CODE MANUAL
COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUILDING AND SAFETY DIVISION
Based on the 2008 LACBC**

**1906
Article 1
05-12-09
Page 1 of 2**

DESIGN AND REMOVAL OF FORMS

Section 1906 of the Los Angeles County Building Code refers to the design, fabrication and erection of form-work and indicates general criteria and purposes of forms. The Code does not specify permit and inspection requirements for temporary forms or shores as such items are more like tools than construction unless they remain as part of the completed structure. However, if faulty, questionable or unsafe conditions are observed, they should be brought to the attention of the contractor.

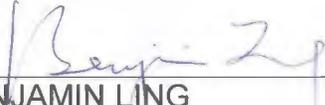
Section 1906.2 applies to the removal of forms. Forms should be left in place until concrete has attained sufficient strength to support the loading involved.

Warm weather, high concrete temperature, rapid-setting cement and low-water cement ratios may reduce, while the opposite conditions may lengthen, the time that forms should remain in place. Light loads will permit earlier stripping while heavy loads require longer time. The design engineer/ architect should specify the minimum strength of the concrete to be attained before removal of forms or shores. Cylinder test reports and design engineer approval are usually required to establish a safe and proper schedule. However, when the engineer/architect does not specify a time for concrete stripping, the following removal times extracted from ACI Manual of Concrete Practice may serve as general guides:

1. Vertical forms such as for sides of walls, columns, beams and girders - 12 hours
2. Soffit forms or shores for beams:
 - a) Over 20 ft. clear span - 21 days
 - b) Less than 20 ft. clear span - 14 days
3. Soffit forms or shores for one way slabs:
 - a) Over 20 ft. clear span - 10 days
 - b) Less than 20 ft. clear span - 7 days
4. Post-tensioned slabs - As soon as full post-tensioning has been applied

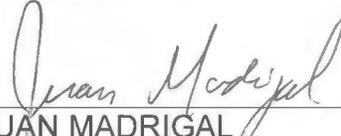
Special care shall be taken where machinery loads or temporary construction equipment are to be placed.

WRITTEN BY:



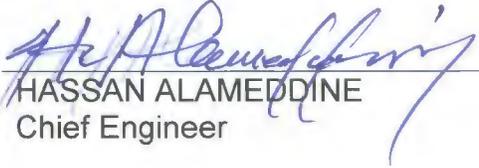
BENJAMIN LING
Senior Civil Engineer

REVIEWED BY:



JUAN MADRIGAL
Senior Civil Engineer

RECOMMENDED BY:



HASSAN ALAMEDDINE
Chief Engineer

APPROVED BY:



RAJ PATEL
Superintendent of Building

Supersedes BCM 1906 Article 1, dated 04-16-01