



Legal Relations and Responsibility to the Public – Laws – Labor Code – Occupational Safety and Health Standards – Scaffolding

Revision and Approval

Revision	Date	Nature of Changes	Approved By
0	02-28-2022	Original Issue	Richard Foley

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Background

This process identifies Structure Construction (SC) responsibilities and procedures for construction of scaffolding, including submittal review and authorization when required by the contract documents.

It is important that SC personnel understand the requirements of the Cal/OSHA Construction Safety Orders (CSO) regarding the installation and use of scaffolding whenever the contractor uses scaffolding. Under certain circumstances, such as when scaffolding is suspended from a bridge, the contractor must perform an independent review of their scaffolding design prior to SC employees reviewing and authorizing the scaffolding submittal.

This process only applies to scaffolding constructed:

1. Over traffic
2. On, or suspended from a bridge
3. Within a distance equal to the scaffolding height plus 6 feet from the edge of a traveled way open to traffic

Scaffolding at sound walls, retaining walls, buildings, and other structures is administered per the [Contract Specifications](#):

1. Section 7-1.02K(6)(a), *Legal Relations and Responsibility to the Public – General – Laws – Labor Codes – Occupation Safety and Health Standards – General*
2. Section 7-1.04, *Legal Relations and Responsibility to the Public – Public Safety*

Prior to reviewing this Bridge Construction Memo (BCM), it is essential to review the *Contract Specifications*, Section 7-1.02K(6)(e), *Legal Relations and Responsibilities to the Public – General – Laws – Labor Code – Occupational Safety and Health Standards – Scaffolding*, that this BCM is based on as identified in the title block above. The information in the *Contract Specifications* typically will not be repeated in the text of this BCM.

Process Inputs

1. Scaffolding submittal (shop drawings, calculations, and independent review calculations)

Procedure

1. All work associated with this process is charged as [Project Direct – Construction](#).
2. Inspection of field work for this process is:
 - a. [Continuous](#) for scaffolding erection and removal over traffic.
 - b. [Intermittent](#) for scaffolding erection and removal not over traffic.
 - c. [Intermittent](#) for scaffolding maintenance.
3. Before construction begins:
 - a. Review the contract documents prior to the preconstruction conference for requirements related to scaffolding:
 - i. Verify the Special Provisions includes Section 7-1.02K(6)(e), *Scaffolding*. If it does not, a change order may be required. Consult with Structure Design to obtain revised contract specifications for the change order.
 - ii. Prior to receiving the scaffolding submittal, discuss the following with the contractor:
 1. Means and methods
 2. Submittal requirements
 - iii. Coordinate with the Resident Engineer (RE) to verify that the contractor has submitted the permit for erecting scaffolding in excess of 36 feet in

height, which is required before scaffolding erection can begin, per the *Construction Manual*, [Section 2-102D](#), *Resident Engineer*.

- b. For submittal review and authorization:
 - i. Review and respond to the contractor within the specified review time.
 - ii. Verify the requirements of the contract documents have been met:
 - 1. Confirm that the submittal contains an independent review that is stamped by a professional engineer.
 - iii. Review the design for compliance with regulations in:
 - 1. [Cal/OSHA CSO, Article 22](#), *Scaffolds – Various Types*.
 - 2. [Cal/OSHA CSO, Article 23](#), *Suspended Scaffolds*.
 - 3. Confirm that the contractor's calculations used capacities and loadings provided in the special provisions.
 - iv. Verify that the field conditions:
 - 1. Are compatible with the scaffolding submittal
 - 2. Provides adequate staging area
 - 3. Are accessible per traffic handling requirements
 - v. Authorize (or reject for resubmittal) the scaffolding submittal and send a copy of authorized scaffolding submittal to the SC Falsework Engineer.
 - vi. Seek assistance from the Bridge Construction Engineer or SC Falsework Engineer, if necessary, to ensure timely and accurate review.
- 4. During Construction:
 - a. Verify SC staff have a copy of the authorized scaffolding submittal.
 - b. Verify construction activities are in accordance with the authorized scaffolding submittal. Notify the contractor and suspend work should a non-compliance condition arise, and inform the SR and RE.
 - c. Monitor and verify loading conditions are in accordance with the authorized scaffolding submittal.
 - d. Elevate issues related to scaffolding construction to the SR, RE, and/or Bridge Construction Engineer for resolutions.
 - e. Document all inspection, construction, and quality assurance activities in the Daily Reports per [BCM C-7](#), *Daily and Weekly Reports*.
- 5. File all project documentation (materials acceptance documents, correspondence, Daily Reports, etc.) in the appropriate category in the project records as specified in the *Construction Manual*, Section [5-102](#), *Organization of Project Documents*.

Process Outputs

1. Authorized scaffolding submittal
2. Daily Reports

Attachments

None