



# Temporary Structures – Temporary Decking

## Revision and Approval

| Revision | Date       | Nature of Changes | Approved By     |
|----------|------------|-------------------|-----------------|
| 0        | 06-04-2021 | Original Issue    | Michael Francis |

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## Background

This process establishes Structure Construction (SC) responsibilities and procedures for review and authorization of submittals, quality assurance, and installation and removal of temporary decking, including placement of traffic tapers.

Temporary decking refers to decking materials used to bridge a temporary gap in the bridge deck, such as those that may occur during bridge deck rehabilitation activities.

Prior to reviewing this Bridge Construction Memo (BCM), it is essential to review [Contract Specifications](#), Section 48-4, *Temporary Structures – Temporary Decking*, 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. Contract documents with temporary decking details, design loading, and location(s)
2. Contractor’s temporary decking submittal

## 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 installation and removal of temporary decking.
  - b. [Intermittent](#) for maintenance of temporary decking.
3. Before construction begins:
- a. Review the temporary decking submittal for conformance with contract documents and authorize in accordance with [BCM C-11](#), *Shop Drawing Review of Temporary Structures* and [Falsework Manual](#), Chapter 2, *Review of Shop Drawings*. Refer to [Attachment 1](#), *Sample Temporary Decking Plan*, for reference.
  - b. Review the concrete mix design and authorize in accordance with *Contract Specifications*, Section 5-1.23, *Submittals*.
  - c. Review the construction sequence and schedule for conformance with the following:
    - i. Cure time for concrete prior to placing decking
    - ii. Installation and removal of decking within traffic control windows
  - d. Discuss work windows, contingency plan, and transverse taper requirements specified in the *Contract Specifications*, Section 7-1.03, *Public Convenience*, with the Resident Engineer (RE) and the Contractor.
  - e. Review as built plans and compare to actual field conditions.
  - f. Prior to the start of work, verify all required materials are on-site and are per the authorized shop drawings.
  - g. Notify the RE and Traffic Operations in advance of temporary vertical clearance or load restrictions per Attachment 2, *Guidance for Completing Required Documents Submitted to SC HQ*, of [BCM C-6](#), *Required Documents to be Submitted During Construction*.
    - i. Note that information on this topic is found within Section 6, *Permanent Vertical Clearance*, of the aforementioned Attachment.
4. During construction:
- a. Verify temporary decking is installed in accordance with the requirements of the contract documents and authorized shop drawings.
  - b. Verify the taper requirements for horizontal gaps, vertical differences, and transverse taper locations comply with the requirements of the *Contract Specifications*, Section 7-1.03, *Public Convenience*.
  - c. Verify layouts, anchor locations, and minimum concrete thickness comply with contract documents.

- d. Document all inspection, construction, and quality assurance activities, pertinent to this BCM, in the daily reports per [BCM C-7](#), *Daily and Weekly Reports*.
  - e. Measure and document any change in bridge clearance or weight rating in accordance with Attachment 2, *Guidance for Completing Required Documents Submitted to SC HQ*, of [BCM C-6](#), *Required Documents to be Submitted During Construction*.
  - f. Verify structure is returned to original condition by patching holes and grinding surfaces.
5. Following construction:
- a. File all project documentation (correspondence, materials acceptance documentation, daily reports, etc.) in the appropriate category in the project records as specified in the *Construction Manual*, [Section 5-102](#), *Contract Administration – Project Records and Reports – Organization of Project Documents*.

## **Process Outputs**

1. Authorized temporary decking shop drawings
2. Temporary Structure Analysis Report when falsework requires an engineer's stamp. Refer to the *Contract Specifications*, Section 48-2.01C(2), *Shop Drawings*
3. Transmittal letter
4. Concrete compressive strength test data
5. Daily reports
6. [Form TR-0019](#), *Notice of Change in Clearance or Bridge Weight Rating*

## **Attachments**

1. [Attachment 1](#), *Sample Temporary Deck Plan Sheet*