Bridge Contractors / Structure Construction Construction Liaison Summit 2026

Temporary Structures Update

Presenter: Brian Cinkutis, P.E.

Co-Chair Temporary Structures Tech Team A

- Standard Specification Section 48 Jacking Changes
- CALTRANS Temporary Structures Manual Updates, August 2026
- Temporary Structures EOR Contractual Duties

Standard Specification Section 48 Jacking Changes

- Specification was changed to allow contractor means and methods for jacking redundant supports, including jack locking rings.

Temporary Structures Manual Updates

TEMPORARY STRUCTURES MANUAL
REVISION 1
AUGUST 14, 2026

The *Temporary Structures Manual* has been revised as detailed below. The *Temporary Structures Manual* is located on the Caltrans Internet under Caltrans Engineering Manuals.

Revisions

EXISTING Content from the TSM or other SC Technical Manuals	Issue Date		NEW and/or Revised Content for the TSM	Issue Date
Table of Contents	09-2025		Table of Contents	08-2026
Chapter 4, *Temporary Access Trestles*	09-2025		Chapter 4, *Temporary Trestles*	08-2026
Chapter 5, *Guying Forms and Rebar Assemblies*	09-2025		Chapter 5, *Guying Forms and Rebar Assemblies*	08-2026
Chapter 9, *Temporary Supports and Jacking*	09-2025		Chapter 9, *Temporary Supports and Jacking*	08-2026
Appendix A Example 2, *Column Guying*	09-2025		Appendix A Example 2, *Column Guying*	08-2026

Revisions Unique to Each Revised Chapter/ Appendix

Revisions for each chapter or appendix of the *Temporary Structures Manual* referenced above are detailed below.

Chapter 4, *Temporary Access Trestles*, was revised as follows:

1. The title of the chapter was revised to *Temporary Trestles.*
2. All references in header and chapter were revised from “temporary access trestles” to “temporary trestles”.

Chapter 5, *Guying Forms and Rebar Assemblies*, was revised as follows:

1. Section 5-2 was revised to clarify the specification intent of column guying and the 20-foot height/ interval.

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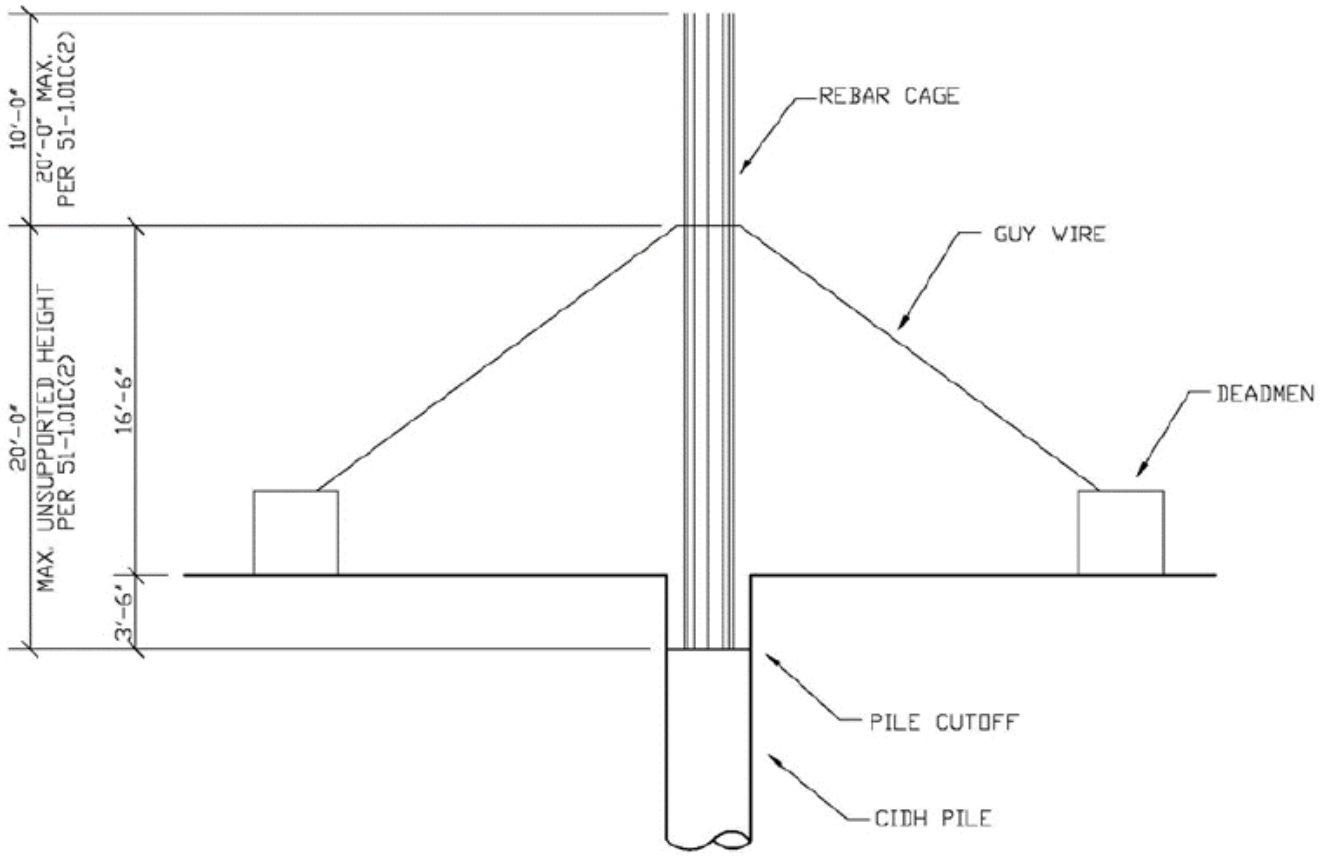


Figure 5-3. Rebar Assembly Support

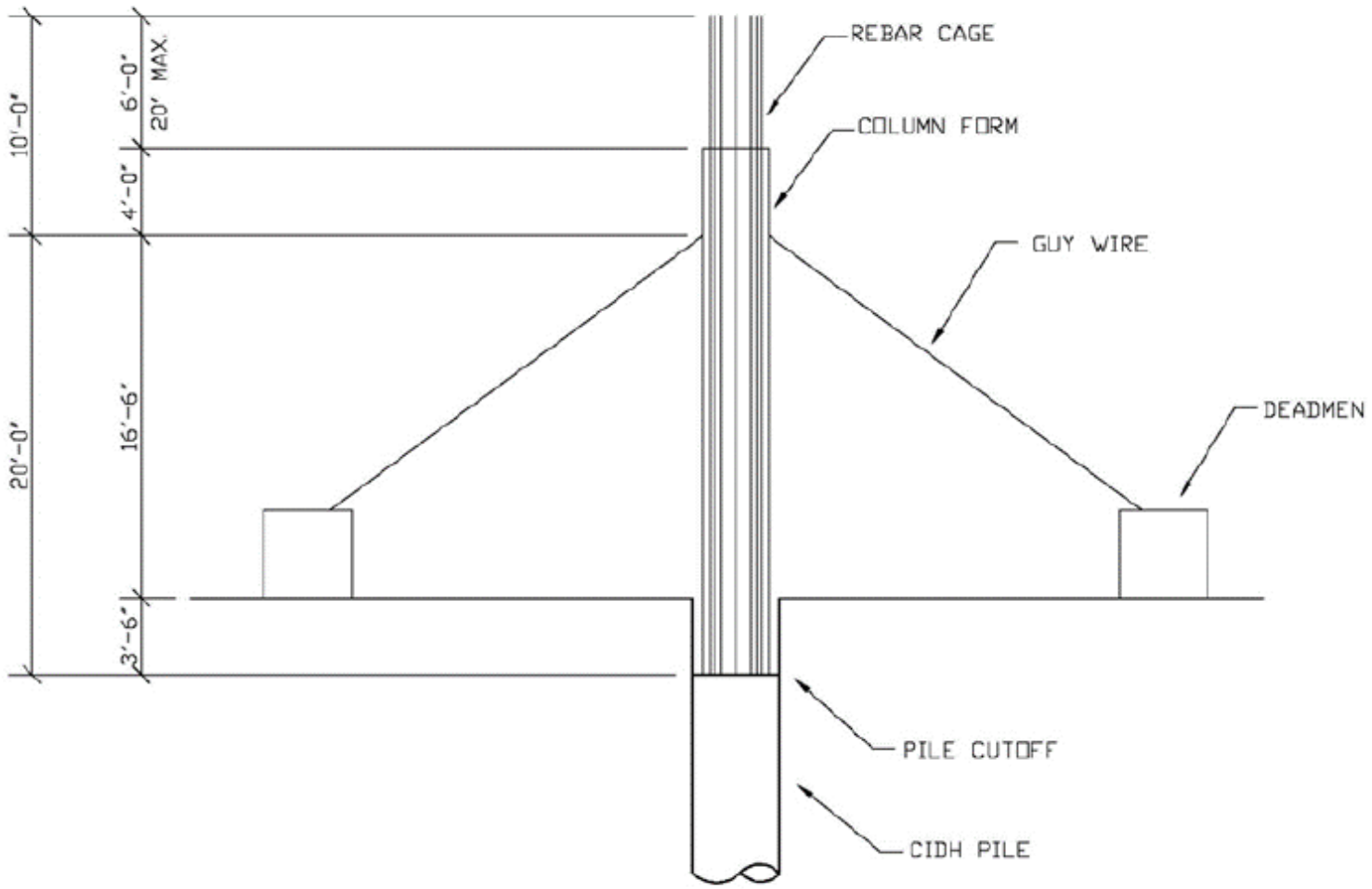


Figure 5-4. Column Form Support

2. Section 5-6 revised the definition of wind impact area as “total gross projected area...”
3. Section 5-6 revised the Factor of Safety for cables from 2 to 3 to align with the current *Falsework Manual*, convention, and best practices.
4. Section 5-6 specifies that the Factor of Safety for manufactured devices shall not be reduced.

Chapter 9, *Temporary Supports and Jacking,* was revised as follows:

1. Section 9-6 was revised to allow the contractor means and methods for jacking redundant support, including jack locking rings.

Appendix A, Example 2, *Column Guying,* was revised as follows:

1. Revised the Factor of Safety for cables from 2 to 3 to align with the current *Falsework Manual*, convention, and best practices.

2. The example problem calculation was updated to reflect the revised Factor of Safety.

Temporary Structures EOR Contractual Duties

48-1.01D(2) Temporary-Structure Engineer

The temporary-structure engineer must:

1. Be registered as a civil engineer in the State.
2. Have experience in temporary structure design or temporary structure construction inspection.
3. Seal and sign the shop drawings.
4. Be present during all jacking and adjustment activities.
5. Prepare, seal, and sign a daily temporary-structure inspection report during jacking and temporary-structure adjustment activities.
6. The temporary-structure engineer must inspect and certify that:
   - 6.1. Temporary structure is stable before jacking activities or adjustments and before concrete is placed.
   - 6.2. Temporary structure complies with the authorized shop drawings.
   - 6.3. Materials and workmanship are satisfactory for the work.
7. Stop activity if any unanticipated issues occur.
8. Propose revisions to the authorized shop drawings to address any issues. Do not resume temporary structure activities until the proposed revisions are authorized.

Questions ?