

Memorandum

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a California Way of Life.*

To: DEPUTY DISTRICT DIRECTORS, Construction
DEPUTY DIVISION CHIEF, Structure Construction
CONSTRUCTION MANAGERS
SENIOR CONSTRUCTION ENGINEERS
RESIDENT ENGINEERS

Date: March 31, 2022

File: Division of Construction
CPD 22-5



From: TIM GREUTERT, Acting Chief
Division of Construction

Subject: **CONCRETE PAVEMENT ACCEPTANCE BASED ON COMPRESSIVE STRENGTH**

This directive provides information to California Department of Transportation resident engineers about revised Sections 40-1.01C, "Submittals," and 40-1.01D, "Quality Assurance," of the *Standard Specifications* which became effective October 15, 2021.

Concrete pavement acceptance is now based on 42-day compressive strength correlated to the 42-day Modulus of Rupture of 650 pounds per square inch. For each trial mixture, a contractor submits measurements of 3 Modulus of Rupture and 3 compressive strength at 3, 7, 14, 21, 28, and 42 days. There is reduced variability in compressive strength test results from concrete cylinders in comparison to beam specimens for flexural strength. Other benefits include needing less material to make, handle, and transport test specimens.

For projects advertised before October 15, 2021, or projects that do not include the revised specifications, the contractor may request use of the revised specifications for ongoing projects by submitting a no-cost change order request to the resident engineer. The change order will need to be approved before fabricating trial mixture test specimens.

Attached to this directive are a sample change order memorandum, sample change order, and revised Sections 40-1.01C and 40-1.01D of the *Standard Specifications*. This directive serves as delegation of authority from the Division of Construction for change order approval, except when change order language is altered.

If you have questions or comments regarding this directive, contact Deborah Yost, Division of Construction, at Deborah.Yost@dot.ca.gov or (916) 764-8011.

DEPUTY DISTRICT DIRECTORS, Construction et al.

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Attachments:

1. Sample Form CEM-4903, "Change Order Memorandum"
2. Sample Form CEM-4900, "Change Order"
3. Revised Sections 40-1.01C, "Submittals," and 40-1.01D, "Quality Assurance," of the *Standard Specifications*