

**RECORD OF BLANKET PRIOR APPROVAL FOR MAJOR CONTRACT CHANGE ORDER**

PROJECT NO. <b>Statewide</b>	CCO NO. <b>Various</b>	CONTRACT NO. <b>Any Federally Funded Project</b>	DIST-CO-RTE-PM <b>Various</b>
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REQUESTED BY <b>Ken Solak</b>	DATE <b>11/22/2019</b>
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PROPOSED CHANGE:

Changes to CTM 523 during specimen fabrication address specimen consolidation methods. The required method of consolidation depends on the concrete mix slump. For slumps greater or equal to 1 inch, either the rodding or vibration consolidation method is permitted. For slumps less than 1 inch, vibration consolidation method is required. Consolidation requirements and procedures are stated in ASTM C31/C31M-19 Table 4, "Molding Requirements by Rodding," and Table 5, "Molding Requirements by Vibration." With this change district laboratories will need to acquire battery operated vibrators for use when concrete mix slumps are less than 1 inch.

The change to CTM 523 during specimen initial curing addresses requirements for temperature control and moisture loss prevention. Temperature fluctuations during the curing period contribute to beams failing before achieving the required minimum flexural strength. During both stages of curing, storage temperature range as indicated in ASTM C31/C31M-19, Section 10, "Curing," must be controlled by using heating and cooling devices as necessary.

To accomplish this curing method the contractor will be required to provide the resident engineer with the equipment necessary to maintain the initial curing environment within the specified temperature range.

These changes will be implemented statewide once the Section 40-1.01D, "Quality Assurance," of the Revised *Standard Specifications* is published in April 2020. In the interim, the contractor may implement the revised version of CTM 523 on ongoing projects by submitting a no-cost change order to the resident engineer.

REASON FOR CHANGE:

CTM 523 was revised with the goal of adopting the fabrication and initial curing of specimen changes in accordance with ASTM C31/C31M-19, Standard Practice for Making and Curing Concrete Test Specimens in the Field, Section 9, "Molding Specimens," and Section 10, "Curing."


This is a no-cost change order.  
There should be no contract time extension for implementing the contractor requested change order.

TIME EXTENSIONS <input checked="" type="checkbox"/> NONE _____ DAYS <input type="checkbox"/> DEFERRED	ACTIVITY ON CRITICAL PATH AFFECTED BY CCO (IF TIME EXTENSION INVOLVED) <b>N/A</b>
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ESTIMATE OF COST: \$ <b>0.00</b> <input type="checkbox"/> INCREASE <input type="checkbox"/> DECREASE	CCO: METHOD OF PAYMENT <input type="checkbox"/> CONTRACT ITEMS <input type="checkbox"/> ADJUSTMENT OF COMPENSATION <input type="checkbox"/> AGREED PRICE <input type="checkbox"/> EXTRA WORK AT FORCE ACCOUNT
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THE WORK COVERED BY THE PROPOSED REVISION AS DESCRIBED ABOVE IS APPROVED SUBJECT TO SUBMISSION OF SUPPORTING DOCUMENTATION INCLUDING COST EVALUATION AND JUSTIFICATION OF TIME EXTENSIONS.

OTHER CONDITIONS: \_\_\_\_\_

PRIOR APPROVAL TO PROCEED GRANTED BY:  Jean Mazur, Construction Program Manager	DATE OF AUTHORIZATION <b>December 5, 2019</b>
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