

## STATEWIDE CRITICAL REQUIREMENTS - FISCAL YEAR 2019/2020

### Quality Assessment Category Number 10A Bridge Structures - General Concrete

1. Does the CEI staff confirm that the following requirements are adhered to: for monitoring mass concrete, maximum temperature gradient (35°F), maximum core temperature (180°F), temperature control mechanisms must not be removed until the core temperature is within 50°F of the ambient temperature? When required, is there documentation to substantiate that these requirements were met and does a field visit verify this? [Spec. 346-3 and 346-8]
2. Does the CEI staff confirm that the following concrete placement concerns are complied with: use of appropriate bar support material for form type (SIP or removable), moisture evaporation rate monitored properly, no lumps and balls, and Burlap-polyethylene sheeting is required to have a minimum weight between 1-1.8 ounces/square feet for two layers or a weight between 0.6-0.7 ounces/square feet for four layers? Is there documentation to substantiate that these requirements were met and does a field visit verify this? [Spec. 415-5, 400-16, 346-6, 925-1]
3. Inspect concrete surfaces as soon as surfaces are fully visible after casting, between 7 and 31 days after the component has been burdened with full dead load, and a minimum of 7 days after the bridge has been opened to full unrestricted traffic. Inspect underwater components in accordance with CPAM 10.6. Is there documentation to substantiate that these requirements were met and does a field visit verify this? [Spec. 400-21]
4. Does the CEI staff confirm that the Contractor is in compliance with Buy America provision 6-5.2? Is there documentation to substantiate that these requirements were met? Is foreign-sourced steel being tracked in SiteManager? [Spec. 6-5.2, CPAM 5.8]