

CONSTRUCTION DIRECTIVE 07220.400.06

REVISED: 8/5/21

SUBJECT: Pre-deck Placement Conference.

REFERENCE DIRECTIVES: 07220.400.05 Concrete Bridge Deck Steel Deflection.

07220.900.07 Portland Cement Concrete Pre-Placement Conference

GENERAL:

The Pre-Deck Placement Conference allows the MDOT SHA and the Project Contractor to discuss contract requirements and prepare for the successful construction of the bridge deck.

PURPOSE:

To establish guidelines for topics to be discussed in this required meeting, whenever bridge decks will be poured. To enhance procedures detailed in the Construction Manual and provide for a Pre-deck Placement Conference.

PROCEDURE:

Pre-deck Placement Conference. Prior to placing deck concrete the Project Engineer will conduct a Pre-deck Placement Conference as follows:

Attendees:

The Project Engineer will notify the following representatives of the date, time and location of the Pre-deck Placement conference at least seven days in advance:

- Regional Construction Engineer
- District Area Engineer
- Office of Materials Concrete QA Representative
- Safety Officer
- Inspectors assigned to the activity
- Contractor's Foreman & Superintendent
- Contractor's Safety Officer
- Subcontractor (if applicable)
- Concrete Supplier

PROCEDURE: (continued)

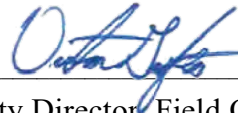
In addition to the applicable topics contained in 07220.900.07 - Portland Cement Concrete Pre-placement Conference, these additional topics need to be discussed. They will include, but not be limited to the following:

- a. The dry run to be performed before scheduling concrete placement and making any required adjustments necessary to achieve the finished deck elevations. Reference 07220.400.05 - Concrete Bridge Deck Steel Deflection.
- b. Will bolt-on temporary traffic barrier be used for MOT on new finished deck? If so, coil inserts are required to be utilized. Reference the "Book of Standards" Section 4 – Structural Standards Manual Vol. 1 and 2, Chapter 4 – MOT.
- c. Concrete mix
- d. Equipment and Back-up Equipment/Plan
- e. Manpower
- f. Method of placement (concrete pump, bucket, or conveyor? Spec 420.03.04 (g)(h))
- g. Pouring sequence and stages of construction
- h. Superstructure Concrete Placement Schedule (Date/Time schedule - Spec 420.03.04 (c)(2))
- i. Placement rate of concrete (Minimum rate of 35 cy/hour per – Spec 420.03.04 (c)(3))
- i. Consolidation (when placing only, not when moving – Spec 420.03.06)
- j. Temperature controls and weather requirements (Spec 420.03.04 (f))
- k. Bulkheads (installation, removal, and failure emergency plan)
- l. Construction joints (joints must be clean and dry before placing epoxy bonding - Spec 420.03.11)
- m. Wet depth checks (performed at finish roller during concrete placement)
- o. Wet straight-edge checks (parallel to centerline and at flow lines – Spec 420.03.07(d))
- p. Finishing (burlap drag if applicable and 1 ft smooth at flow line – Spec 420.03.07 (d))
- q. Curing (burlap soaked 24 hrs in advance – Spec 420.03.08-09)
- r. Dry straight-edge checks (before grooving, using 10 ft. straight edge within 1/8 inch – Spec 420.03.07 (d)(2))
- s. Early test cylinder breaks before any loading on deck (Spec 420.03.15 states 3000 psi before materials can be placed on the deck and 4500 psi before equipment can ride on deck)

Pre-deck Placement Conference Record:

A record of the Pre-deck Placement conference will be prepared by the Project Engineer. This record will consist of a summary of the items discussed and a list of attendees which will be entered in the project records. In addition, minutes of the meeting will be prepared, made part of the project records, and distributed to the District Engineer, and all attendees.

The minutes from the Portland Cement Concrete Pre-Placement Conference (CD 07220.900.07) should be reviewed and any changes from the approved procedures should be discussed.



Deputy Director, Field Operations
Office of Construction

Approved:



Director, Office of Construction