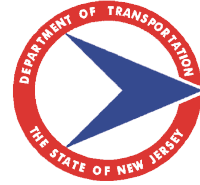


*New Jersey Department of Transportation*  
1035 Parkway Avenue, PO Box 600, Trenton, New Jersey 08625-0600



## *Baseline Document Change Announcement*

**ANNOUNCEMENT: BDC21S-07**

**DATE: May 25, 2021**

**SUBJECT: Working Drawing Categories**  
- **Revision to the 2019 Standard Specifications for Road and Bridge Construction, Subparts 505.03.01, 505.03.02, 506.03.01, 507.03.02 and 514.03.01**

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Subparts 505.03.01, 505.03.02, 506.03.01, 507.03.02 and 514.03.01 of the 2019 Standard Specifications for Road and Bridge Construction have been revised in order to clarify the working drawing submissions for each category according to Subsection 105.05.

**The following revisions have been incorporated into the Standard Inputs (SI 2019):**

**505.03.01 Pretensioned Prestressed Concrete Beam and Prestressed Concrete Beam**  
THE FIRST PARAGRAPH IN PART A IS CHANGED TO:

- A. Working Drawings.** Submit working drawings for certification, as specified in 105.05, that include the class of concrete, the pattern and schedule for releasing strands before detensioning, detensioning concrete strength, and tensioning and detensioning patterns.

PART C IS CHANGED TO:

- C. Erection Plan.** Submit working drawings for approval, as specified in 105.05, regarding the plan of operations to the RE at least 30 days before the pre-erection meeting. Include, at a minimum, the following in the plan:
1. Number and type of manpower and equipment.
  2. Shipping procedures.
  3. Lifting procedures.
  4. Erecting sequence.
  5. Temporary bracing.
  6. Manufacturer's recommendations.
  7. Procedures for employee safety.
  8. Traffic control and protection.
  9. Method of post-tensioning and determining friction loss.
  10. Anchorage details and design calculations, signed and sealed by a Professional Engineer.

**505.03.02 Precast Concrete Culvert**  
PART A IS CHANGED TO:

- A. Working Drawings.** Submit working drawings for approval, as specified in 105.05, that show plan, elevation, and sections as well as details for all appurtenances such as headwalls, cutoff walls, wingwalls, and aprons. In

addition, include details of the neoprene gasket between the precast concrete culvert units as well as all threaded inserts, bar extensions, waterproofing, and end anchorage details for the post-tensioning reinforcement. Provide erection details including handling points, neoprene gasket details, the method for pulling the culvert boxes together, section lengths, and the method of installing the units.

#### **506.03.01 Structural Steel**

PART B IS CHANGED TO:

- B. Erection Plan.** At least 30 days before the pre-erection meeting, submit working drawings for approval, as specified in 105.05, regarding the plan of operations to the RE. Include, at a minimum, the following in the plan:
1. Number and type of manpower and equipment.
  2. Shipping procedures.
  3. Lifting procedures.
  4. Beam erecting sequence, including method of setting bearings and diaphragms.
  5. Temporary bracing.
  6. Manufacturer's recommendations.
  7. Procedures for employee safety.
  8. Traffic control and protection.

#### **507.03.02 Concrete Bridge Deck**

**A. Forms.** Construct forms as follows:

THE FIRST PARAGRAPH IN PART 1 IS CHANGED TO:

1. **Stay-In-Place (SIP) Forms.** Submit working drawings for approval, as specified in 105.05, that include the following:
  - a. Deck reinforcement location.
  - b. Grade of steel.
  - c. Galvanizing specification.
  - d. Physical and section properties for all permanent steel bridge deck form sheets.
  - e. Locations where the forms are supported by steel flanges subject to tensile stresses.

#### **514.03.01 Temporary Structures**

PART A IS CHANGED TO:

- A. Working Drawings.** At least 30 days before beginning the work, submit working drawings for approval, as specified in 105.05.

PART B IS CHANGED TO:

- B. Erection Plan.** At least 30 days before beginning work, submit to the RE a plan for approval, as specified in 105.05, that includes the proposed equipment, detailed erection instructions and drawings of all structures, and the proposed scheme for traffic control during the erection and use.

**Implementation Code R (ROUTINE)**

Changes must be implemented in all applicable Department projects scheduled for Final Design Submission at least one month after the date of the BDC announcement. This will allow designers to make necessary plan, specifications, and estimate/proposal changes without requiring the need for an addenda or postponement of advertisement or receipt of bids.

**Recommended By:**



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Paul F. Schneider  
Director  
Capital Program Support

PS: NE: HP

**Approved By:**



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Snehal Patel, P.E., PMP  
Assistant Commissioner  
Capital Program Management  
and State Transportation Engineer