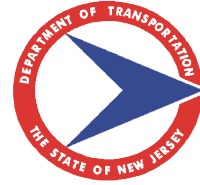


New Jersey Department of Transportation
1035 Parkway Avenue, PO Box 600, Trenton, New Jersey 08625-0600



Baseline Document Change Announcement

ANNOUNCEMENT: **BDC23S-11**

DATE: **August 17, 2023**

SUBJECT: **Elimination of CONSTRUCTION LAYOUT Pay Item**
- **Revisions to Subpart 104.03.08, Section 105, Subsections 108.02 and 151.04, and Section 157 of the 2019 Standard Specifications for Road and Bridge Construction.**

Standard Pay Item 157004M, CONSTRUCTION LAYOUT, has been removed from the 2019 Standard Specifications for Road and Bridge construction via revisions to Subpart 104.03.08, Section 105, Subsections 108.02 and 151.04, and Section 157. As part of these changes, Subpart 157.03.01 has been revised, moved, and renamed to Subsection 105.11.

The following revisions have been incorporated into the 2019 Standard Specifications via 2019 Standard Inputs, SI2019:

SECTION 104 – SCOPE OF WORK

104.03.08 Force Account

THE FIRST SENTENCE OF THE FIRST PARAGRAPH IS CHANGED TO:

Payment made for the work directed to be performed by force account represents full payment for that work including layout.

SECTION 105 – CONTROL OF WORK

THE FOLLOWING SUBSECTION IS ADDED:

105.11 CONSTRUCTION LAYOUT

Perform a site investigation within the Project Limits to locate existing ROW markers, property markers, survey control markers, and monuments. Before beginning construction operations, protect ROW markers, property markers, survey control markers, and monuments from disturbance and destruction. Notify the RE of the location of property markers and monuments that are in danger of being removed or disturbed and tie to fixed points or locate from established contract control. Do not remove or disturb existing ROW markers, property markers, survey control markers, and monuments until obtaining RE approval. Record and provide field location notes to the RE upon request.

Before removing a monument that is not owned by the Department, notify the agency to which the monument belongs of the need to remove the monument. Provide the RE with copies of correspondence with the agency, as well as the agency's written requirements or guidelines for setting monuments.

If a monument or marker is disturbed or removed without RE approval, the Contractor is responsible for reimbursing the Department for the cost to replace the monument.

Perform layout for the construction of the Contract using the control points and data shown on the Plans. Perform layout under the direct supervision of a licensed land surveyor. Preserve control points throughout the duration of the Project. Reset control points that are damaged, lost, displaced, or removed.

Before beginning construction operations, verify the vertical and horizontal controls provided in the Plans using, at a minimum, third-order, Class I accuracy procedural standards and equipment. Notify the RE in writing of discrepancies or errors and obtain resolution before proceeding with the work. Upon request, provide the RE with survey notes and calculations related to the field control verification.

Before beginning construction operations, establish lines for ROW, easement, and other restrictions, such as boundaries for environmentally sensitive areas to define the limits of construction and temporary operations. Establish limits of tree protection and other vegetation to be preserved. Do not encroach on private property, except as allowed by easements. Document existing site conditions, including vegetation, in areas to be used for excavation, temporary construction, storage, parking, movement of equipment, field office, etc. which will have to be later restored to pre-existing conditions. Provide documentation, including photographs, to the RE.

Provide the Utilities with the layout needed to install relocated utility facilities and coordinate the Work. Ensure that relocated facilities do not conflict with proposed construction, including High Voltage Proximity Act conflicts.

Establish the exact location of the Work from the control points. Reference the Work to baselines that are established from the control points. Maintain baselines until Completion.

Provide and maintain offset baseline stakes for roadways, ramps, jughandles, and turnarounds outside the limits of grading and construction. Set offset stakes at a maximum interval spacing of 50 feet. Where baselines have a radius of less than 475 feet, provide offset stakes at a maximum interval spacing of 25 feet. Identify and mark each stake to show the offset distance from the baseline and provide grade sheets to the RE showing the cut or fill to the finished profile lines with reference to the offset stakes. Provide grade sheets for construction of subbase that include calculations to establish the typical cross section from the profile grade stake. Provide adequate and accurate offset lines during construction that requires occupation of the baseline points by construction operations. Provide the RE with assistance as requested for verification of lines, grades, boundaries, dimensions, and elevations.

Construct the Work to the dimensions and tolerances noted within the Contract. Except where otherwise noted, construct subbase, base courses, pavements, and structures to within 1/4 inch of the elevations, stations and offsets noted in the Contract. If work does not conform to the tolerances allowed, the Department may consider the work to not be in conformance with the work as specified in [105.03](#).

For each bridge and sign structure within the Project Limits, provide the RE as-built measurements of the minimum vertical underclearance at each lane line, shoulder line, curb line, and edge of pavement line under a structure to the nearest hundredth of a foot. For each bridge structure, provide vertical underclearance measurements at each fascia beam and the portions of the structure that govern the minimum vertical underclearance. Provide minimum vertical underclearance measurements prior to the completion of each stage of construction. Notify the RE in writing of any discrepancies, errors, or deviations from plan dimensions and clearances prior to opening any bridge or structure or any portion thereof to traffic.

Upon request, provide the RE with survey notes and calculations related to the alignment and horizontal and vertical control, and field notes to document the ROW, including easements and monument locations. Maintain survey notes in a bound field notebook in a professional manner.

The Department will not make payment for survey, stakeout, and layout. The cost is to be distributed across the various items of work and to be included in extra work as may be added to the Contract.

If the Department discovers survey errors, including errors that should have been detected during verification of controls provided in the plans, the Department will deduct the costs of checking and correcting these errors from any money due to the Contractor.

SECTION 108 – PROSECUTION AND COMPLETION

108.02 COMMENCEMENT OF WORK

THE THIRD PARAGRAPH IS CHANGED TO:

Do not perform construction layout and FIELD OFFICE TYPE ___ SET UP until the Department has approved the insurance certificates and the safety program. Do not begin other construction operations until after the following actions:

SECTION 151 – PERFORMANCE BOND AND PAYMENT BOND

151.04 MEASUREMENT AND PAYMENT

THE DEFINITION FOR THE VARIABLE C_F IS CHANGED TO:

C_F = Final Contract Price excluding adjustments for PERFORMANCE AND PAYMENT BOND

SECTION 157 – CONSTRUCTION LAYOUT AND MONUMENTS

THE SECTION IS RENAMED TO:

SECTION 157 – MONUMENTS

157.01 DESCRIPTION

THE FIRST PARAGRAPH IS CHANGED TO:

This Section describes the requirements for constructing monuments and monument boxes.

157.03 PROCEDURE

THE FOLLOWING SUBPART IS REVISED AND MOVED AS SUBSECTION 105.11

157.03.02 Monument

THE SUBPART IS RENUMBERED:

157.03.01 Monument

Comply with the Map Filing Law N.J.S.A. 46:26B-1 through 8 and N.J.A.C. 13:40-5.1 through 2. Set non-Department monuments according to the requirements of the agency. Set Department monuments at the specified location and elevation, and ensure that the monuments are held firmly in place. Excavate so that concrete for the monument base and sides can be placed against undisturbed in-situ material, ensuring that the base is wider than the shaft. If rock is encountered, drill into the rock to provide a rock socket to the satisfaction of the RE. Reuse excess excavated material as specified in [202.03.03.C.1](#). Place concrete, as specified in [504.03.02.D](#), and set the reinforcement steel and the monument marker at the time of the concrete pour. Ensure that the top surface of the monument is level, and the disk is in the true position. After the concrete has attained strength, punch the disk.

After the monuments have been set obtain the current horizontal and vertical control datum values on the monument and submit these values, signed and sealed by the land surveyor, to the RE.

157.03.03 Monument Box

THE SUBPART IS RENUMBERED:

157.03.02 Monument Box

Excavate so that concrete can be placed against undisturbed in-situ material, except place a layer of felt or tar paper along with a layer of sand around the top of the monument. Set the monument box frame so that the top of the box is

flush with the proposed finished grade. Place concrete as specified in [504.03.02.D](#). Backfill as needed. Reuse excess excavated material as specified in [202.03.03.C.1](#).

157.04 MEASUREMENT AND PAYMENT

THE CONSTRUCTION LAYOUT PAY ITEM AND PAYMENT CALCULATION ARE DELETED:

The Department will measure and make payment for Items as follows:

<i>Item</i>	<i>Pay Unit</i>
MONUMENT	UNIT
MONUMENT BOX	UNIT

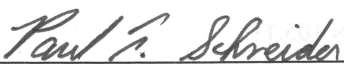
The Department will make payment for tree or other vegetation protection or preservation under TREE PROTECTION as specified in [158.03.02.20](#) for work specified in the various Items of this Subsection.

Implementation Code R (ROUTINE)

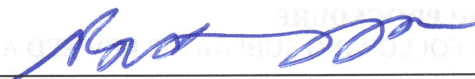
Changes must be implemented in all applicable Department projects scheduled for Final Design Submission at least one month after the date of the BDC announcement. This will allow designers to make necessary plan, specifications, and estimate/proposal changes without requiring the need for an addenda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

Recommended By:

Approved By:



 Paul F. Schneider
 Director
 Capital Program Support



 Parth Oza, P.E.
 Assistant Commissioner
 Capital Program Management
 and Deputy State Transportation Engineer

PS: NE: MS