

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



Baseline Document Change Announcement

Div 100 & 150 Revisions

BDC11S-10

October 25, 2011

SUBJECT: Revision to Subsections/Subparts 108.14, 155.03.01, 157.04, 158.03.02, & 159.04 of the 2007 Standard Specifications for Road and Bridge Construction

Subsections/Subparts of Division 100/150 (108.14, 155.03.01, 157.04, 158.03.02, and 159.04) of the 2007 Standard Specifications for Road and Bridge Construction have been revised.

The details of the revisions are as follows:

- 108.14:** Provides the Department the right to prevent the defaulted contractor from performing work as the Surety's completion-contractor.
- 155.03.01:** Provides current requirements for the Field Office's communication/Office/Inspection equipment.
- 157.04:** The formula for the Construction Layout payment adjustment has been corrected to include "total cost, Original (E_O)" and "total cost, Final (E_F)"
- 158.03.02:** Includes various categories of Inlet structures.
- 159.04:** Includes the measurement criteria for the Construction Signs.

The following revisions have been incorporated in Standard Input, SI2007 as of October 25, 2011.

108.14 DEFAULT AND TERMINATION OF CONTRACTOR'S RIGHT TO PROCEED
THE FOLLOWING IS ADDED AFTER THE 2ND PARAGRAPH:

If the Department directs the Surety to complete the Contract, and the Surety elects to use a completion-contractor to perform the Work, the Surety must promptly submit to the Department a request for approval of the proposed completion-contractor as a subcontractor as per Section 108.01. The Department has the right to reject a request by the Surety to use the Contractor as the completion-contractor, either directly or under the direction of a consultant to the

Surety. In addition, the Department has the right to reject a request by the Surety to contract with employees of the Contractor, directly or under the direction of a consultant to the Surety, to complete the Contract. The Department’s right to reject contained in this paragraph is based on the sole discretion of the Department.

155.03.01 Field Office

1*****1

**PROVIDE THE PROJECT SPECIFIC ITEMS.
COMPLETE AND INCLUDE THE FOLLOWING LIST.**

SME CONTACT – CONSTRUCTION MANAGEMENT

4. Communication Equipment.

- a. **Telephones.** Provide ___ cordless phones with auto-switching.
- c. **Cell Phones.** Provide ___ cellular phones. Ensure the cellular phone plan provides for unlimited mobile to mobile in-network usage, unlimited push-to-talk/ walkie-talkie usage and an anticipated monthly usage of 900 any-time minutes for each phone. Ensure the phones are on the same plan. Ensure the cellular phone plan has a home rate with no roaming charges within the state. Ensure each cellular phone has the following features:
 - 1. Push to Talk / Walkie-Talkie capable
 - 2. Camera with 1 megapixel picture capability
 - 3. Battery life capable of 180 minutes of continuous use and 72 hours of standby use
 - 4. Equipped with a hands-free headset
 - 5. Base charger and car charger

d. Computer System. Provide a computer system meeting the following requirements:

___ computer configurations each meeting the following:

- 1. Equipped with an Intel Pentium ___ processor with Hyper Threading technology having a clock speed of ___ GHz or faster, ___ GB RAM, ___ MB Video RAM, ___ Gigabyte hard drive designated as drive C, one DVD (+/-) Writer Drive, one CD-R Recordable Drive. Ensure the system is USB 2.0 compatible and has at least two front USB ports Include Keyboard, optical mouse and 2 piece desktop speakers.
- 2. Wired Router with appropriate number of ports and cables and a print server. Ensure there is at least one wired Ethernet switch.
- 3. High-speed broad band connection and service with a minimum speed of ___ Megabits per second (mbps) with dynamic IP address for the duration of the project.
- 4. 19 inch or larger Flat Screen LCD monitor with tilt/swivel capabilities.
- 5. ___ Megabyte or larger Zip Drive internal or external with backup software for MS-Windows and DOS, and fifteen corresponding formatted data cartridges corresponding to the tape drive size.
- 6. ___ Flatbed USB version 2.0 or greater Color Scanner with automatic document feed.
- 7. Uninterruptible power supply (UPS).
- 8. Surge protector for the entire computer configuration to be used in conjunction with the UPS.
- 9. Computer workstation, chair, printer stand, and/or table having both appropriate surface and chair height.
- 10. One can of compressed air and screen cleaning solution every other month of the duration of the contract.

Ensure one computer has a 56K baud data/fax modem. If more than one computer configuration is specified, provide one network interface card for the base computer configuration and hardware connections between computer configurations as directed by the RE.

Also provide:

___ USB ___ GB Flash/Jump memory drives

___ CD-R ___ MB (or larger) recordable CD's compatible with the CD drive and ___ recordable DVD's.
 ___ CD/DVD Holder (each holds 50)

___ color laser printers and supplies as follows:

1. HP PCL 6 emulation, with a minimum of 192 Megabytes of expanded memory, printer cable, and legal size paper tray.
2. One set of printer ink cartridges every other month for the duration of the construction project for each printer.

Software as follows:

1. Microsoft Windows, latest version with future upgrades for the duration of the entire project. Ensure 1 computer has a Microsoft Windows XP 32 Bit Operating System for ACES, Extra and Groupwise.
2. Microsoft Office Professional, latest version.
3. Norton's System Works for Windows, latest version, or compatible software package with future upgrades and latest virus patches.
4. Anti-Virus software, latest version with monthly updates for the duration of the contract.
5. Visio Professional Graphics Software for Windows, latest version
6. Primavera Project Management, latest version
7. Adobe Acrobat Professional, latest version, for Scanner

THE THIRD PARAGRAPH IS CHANGED TO:

When the computer system is no longer required by the RE, the Department will remove and destroy the hard drive, and return the computer system to the Contractor. The Department will retain other data storage media.

6. Office Equipment.

2. ___ digital camera(s). Ensure each digital camera has auto-focus, with rechargeable batteries and charger, ___ MB memory card, USB Memory Card Reader compatible with camera and field office computer, 1.5 inch LCD monitor, ___ mega pixel resolution, ___ X optical zoom lens, built in flash, image stabilization, computer connections, and a carrying case
3. ___ video camcorder(s). Ensure each video camcorder is a mini DVD camcorder with ___ optical zoom, 2" LCD monitor, USB 2.0 compatible and includes USB 2.0 connections.

7. Inspection Equipment.

1. ___ Calculators with trigonometric capability
2. ___ Date/ Received stamp and ink pad
3. ___ Electronic Smart level, 4 foot
4. ___ Electronic Smart level, 2 foot
5. ___ Carpenter rulers
6. ___ Steel tape, 100 feet
7. ___ Cloth tape, 100 feet
8. ___ Illuminated measuring wheel
9. ___ Plumb bob and cord
10. ___ Line level and cord
11. ___ Surface thermometer
12. ___ Concrete thermometer
13. ___ Digital infrared asphalt thermometer
14. ___ Direct Tension Indicator (DTI) Feeler Gage, 0.005 inch
15. ___ Sledge hammer, 8lb
16. ___ Self leveling laser level with range of 100 feet and an accuracy of ¼ inch per 100 feet
17. ___ Hard hats - orange, reflectorized hard hats according to ANSI Z89.1.
18. ___ Safety garments – orange, reflectorized, 360° high visibility safety garments according to ANSI/ISEA Class 3, Level 2 standards. To be replaced yearly for the duration of the contract.

- 19. ___ Sets of rain gear with reflective sheeting
- 20. ___ Sets of hearing protection with a NRR rating of 22 dB
- 21. ___ Sets of eye protection according to ANSI Z87.1
- 22. ___ Sets of fall arrest equipment according to ANSI Z359.1 standards consisting of a full body harness, lanyard and anchor.
- 23. ___ Light meter - capable of measuring the level of luminance in foot-candles
- 24. ___ Lantern flashlight, 6V with monthly battery replacements
- 25. ___ Digital Psychrometer
- 26. ___ Chain Drag according to ASTM D4580-86
- 27. ___ Testing equipment and apparatus conforming to AASHTO T23, T119, T152
- 28. ___ Hard Bound Daily Diaries, 5-1/2" X 8" minimum with one day per page. To be provided yearly for the duration of the contract.
- 29. ___ Legal size hanging folders
- 30. ___ Legal size manila file folders – three tab

1*****1

157.04 MEASUREMENT AND PAYMENT

THE SECOND PARAGRAPH IS CHANGED TO:

The Department will adjust payment for CONSTRUCTION LAYOUT based on the final contract amount and will calculate as follows:

$$CL = \frac{CL_B \times (C_F - E_F)}{C_O - E_O}$$

Where:

CL = Adjusted payment for CONSTRUCTION LAYOUT.

CL_B = Bid price for CONSTRUCTION LAYOUT.

C_O = Original Contract Price.

C_F = Final Contract Price.

E_F = Total of CL_B and the final cost for PERFORMANCE BOND AND PAYMENT BOND, Incentive/Disincentives for completion/interim completion, and claim settlements.

E_O = Total of CL_B, and PERFORMANCE AND PAYMENT BOND.

158.03.02 SESC Measures

8. Inlet Filters. Provide Type 1 and Type 2 inlet filters as follows:

a. Type 1.

THE ENTIRE TEXT IS CHANGED TO:

For a new inlet structure without a casting, mold welded steel wire fabric around the inlet walls. Extend the welded steel wire a minimum of 6 inches down each side of the structure. Secure geotextile to the welded wire fabric. Place No. 2 coarse aggregate against the inlet structure to hold the inlet filter in place.

For an inlet structure with a casting and exposed exterior walls, place geotextile under the casting and extend it a minimum of 6 inches below the top of the exposed walls. Place No. 2 coarse aggregate around the drain hole opening.

For an existing inlet structure without exposed exterior walls, place geotextile under the grate and extend the geotextile for a minimum of 6 inches beyond the grate.

For an inlet with a curb piece and without exposed exterior walls, ensure that the opening in the curb piece has a height of 2 inches. If the opening is greater than 2 inches, achieve the 2 inch opening size by wrapping the geotextile around an appropriately sized piece of lumber. Place the lumber against the vertical opening.

159.04 MEASUREMENT AND PAYMENT

THE SECOND PARAGRAPH IS CHANGED TO:

For traffic control devices measured by the linear foot or unit basis that are specified in 159.03.02, the Department will make payment for the maximum quantity in service at one time as required by the Contract. For CONSTRUCTION SIGNS, the Department will make payment for the maximum quantity of specific sign types in service at one time as required by the Contract. If a particular sign type has more than one unique text, each sign with a unique text will be considered to be a specific sign type. The Department will make payment for 50 percent of the Contract bid price for traffic control devices specified in 159.03.02 that are measured on a linear foot, square foot or unit basis upon approved placement. The Department will prorate the balance of payment over the duration of the Contract.

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:

ORIGINAL SIGNED

Walter McGrosky
Director,
Capital Program Support

Approved By:

ORIGINAL SIGNED

Richard T. Hammer
Assistant Commissioner,
Capital Program Management