*INCLUDE SECTION 152 ON ALL PROJECTS WITH THE FOLLOWING MINIMUMS:*

* *CLAUSE $$152.04C; AND*
* *EITHER CLAUSE $$**152.04A OR $$152.04B.*

$$152.00A

Section 152. — CONSTRUCTION SURVEY AND STAKING

Revised 16 June 2022

*INCLUDE THE FOLLOWING ON ALL PROJECTS*

$$152.04C

152.04(b). Add the following:

When GPS and RTS are used, submit a quality control plan which includes how control will be established and maintained.

*INCLUDE THE FOLLOWING IF THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING INITIAL REFERENCE POINTS AND HORZ/VERT CONTROL (VERIFY WITH SURVEY) (IF $$152.04A IS INCLUDED, DO NOT INCLUDE $$152.04B)*

$$152.04A

152.04. Delete the third, fourth, and eighth paragraphs and substitute the following:

No horizontal or vertical control information will be provided.

Establish initial reference lines and control points, and horizontal and vertical control points as necessary to perform the construction survey and staking.

*INCLUDE THE FOLLOWING IF THE CONTRACTOR IS RESPONSIBLE FOR REESTABLISHING THE INITIAL REFERENCE POINTS AND HORZ/VERT CONTROL SET BY THE GOV’T (VERIFY WITH SURVEY) (IF $$152.04B IS INCLUDED, DO NOT INCLUDE $$152.04A)*

$$152.04B

152.04. Delete the last sentence of the eighth paragraph and substitute the following:

Reestablish any missing initial reference lines, control points, and stakes set by the Government.

*INCLUDE THE FOLLOWING IF REQUESTED BY CONSTRUCTION (INSERT THE APPROPRIATE SUBSECTION LETTERS THAT ARE NOT REQUIRED - ENSURE THE NEW LETTERS AND PARENTHESIS ARE BOLDED AND NEW COMMAS ARE NOT BOLDED)*

$$152.05A

152.05. Delete the text of Subsections **( )**, **( )**, and **( )**; they are not required.

*INCLUDE THE FOLLOWING FOR ROADWAY PROJECTS GREATER THAN ½-MILE LONG*

$$152.05B

152.05(a). Add the following:

Set benchmarks a maximum spacing of 1,000 feet along the length of the roadway.

*INCLUDE THE FOLLOWING IF THE PROJECT INCLUDES PERMANENT ROW AND BOUNDARY MONUMENTATION ALONG PRIVATE PROPERTY (VERIFY WITH SURVEY IF REQUIRED) (IF CLAUSE $$152.05C IS USED, AN ASSOCIATED 15215-4000 PAY ITEM IS USUALLY REQUIRED)*

$$152.05C

152.05(k). Add the following:

Perform the portion of the survey work required to establish permanent monuments and markers by a professional land surveyor registered in the *(insert one of the following wordings “State of …” or “Commonwealth of …” or “Territory of …” and insert appropriate name - REMOVE ITALICS, PARENTHESES, AND QUOTATION MARKS)*.

*INCLUDE THE FOLLOWING ON PAVEMENT PRESERVATION PROJECTS AND OTHER PROJECTS WHERE THE LIMITS OF THE MAINLINE PASSING/NO PASSING ZONES HAVE NOT BEEN INCLUDED IN THE PS&E (IF USED, ALSO INCLUDE CLAUSE $$634.03A)*

$$152.05D

152.05(l). Add the following:

Survey the existing centerline pavement markings to record the existing passing and no-passing zones. Submit the survey to the CO before performing pavement removal or resurfacing work. Use this survey to reestablish the existing passing and no-passing zones according to Section 634.