

203-R-765 PROOFROLLING REQUIREMENTS

(Adopted 08-17-23)

The Standard Specifications are revised as follows:

SECTION 203, BEGIN LINE 1268, DELETE AND INSERT AS FOLLOWS:

203.26 Proofrolling

When proofrolling is specified for a material, ~~the work~~ shall be performed with an on-highway dump truck with a minimum tire pressure of 90 psi. *Drop axles, if equipped, shall be in the raised position. The operating speed of the dump truck shall not exceed 2 mph.*

~~Proofrolling for original ground or embankment construction shall be performed using a dump truck weighing at least 15 t. Proofrolling for subgrade preparation shall be performed using a dump truck weighing at least 33 t. All proofrolled surfaces shall be covered completely with a single pass. Operating speed of the proofrolling truck shall not exceed 2 mph.~~

~~Deflections or rutting in excess of 1/2 in. shall require remediation of the surface as directed. Deflection or rutting in excess of 3 in. shall require corrective remediation measures and the Department's Geotechnical Engineering Division will be contacted. Proofrolling shall be performed after remediation measures on embankment or subgrade prior to the placement of additional material. There shall be one or two complete coverages as directed. Roller marks, irregularities, or failures shall be corrected. All materials in the area requiring proofrolling shall be traversed with as many passes as necessary to achieve coverage of the area. A pass will be defined as a single trip of the dump truck in one direction on the material surface area. Coverage will be defined as the entire width and length of the material surface area required to be proofrolled having been in contact with the pneumatic tires of the dump truck.~~

The weight of the dump truck and measured deflection or rutting shall be as follows:

<i>Material Requiring Proofrolling</i>	<i>Dump Truck Weight, minimum</i>	<i>Allowable Deflection or Rutting</i>
<i>Original ground or embankment foundation</i>	<i>15 t</i>	<i>≤ 1 in. *</i>
<i>Embankment construction, subgrade, or subbase</i>	<i>33 t</i>	<i>≤ 1/2 in.</i>
<i>Cement stabilized subgrade soil in accordance with 219</i>	<i>33 t</i>	<i>≤ 1/4 in.</i>
<i>* The Department's Geotechnical Engineering Division will be contacted for deflection or rutting greater than 5 in.</i>		

When the measured deflection or rutting exceeds the allowable values for the respective material listed in the table above, the Contractor shall repair or remediate the material to bring it in compliance with the specifications. Upon completion of the remediation or repair of the material, proofrolling shall be performed again and deflections or rutting rechecked for compliance with the table above. This process shall be

repeated until the measured deflection or rutting complies with the specification, prior to the placement of additional material.

Roller marks, irregularities, or failures shall be corrected prior to placement of subsequent work.
