

Revision of Section 202 Sandblasting Reinforcing Steel

Revise Section 202 of the Standard Specifications for this project to include the following:

Description

Sandblasting shall consist of cleaning exposed non-epoxy reinforcing steel designated to remain in place, and roughening the surface and removing all fractured particles from the entire existing concrete surface against which new concrete is to be placed.

Construction Requirements

Sandblasting equipment shall be capable of removing rust scale and concrete fragments or laitance from reinforcing steel, roughening the existing surface, and removing all fractured particles from the existing concrete surface.

After removing adjacent concrete, clean all exposed non-epoxy reinforcing steel designated to remain in place to sound steel by sandblasting. Sound steel is defined as free of oil, dirt, concrete fragments, or laitance, loose rust scale, and other coatings of any character that would limit or inhibit the bond with the new concrete. Do not sandblast epoxy-coated steel. If damaged, repaint the epoxy coating on reinforcing steel with epoxy paint before placing the concrete.

Rust that may form on the reinforcing steel within seven calendar days following the accepted sandblasting will not be cause for rejection of the steel.

When acceptable reinforcing steel is exposed to the elements for more than seven calendar days before encasement in concrete, adequate measures shall be taken by the Contractor, as approved by the Engineer, to protect the steel from contamination or corrosion. Reinforcing steel contaminated or corroded shall be re-sandblasted at the Contractor's expense. No adjustment in Contract time will be made for re-sandblasting.

Basis of Payment

Sandblasting, including labor, materials, tools, equipment, and incidentals, will not be measured and paid for separately but shall be included in the work.

Instructions to Designers (delete instructions and symbols from final draft):

Revision of Section 202 Sandblasting Reinforcing Steel

Use this project special provision for all projects where reinforcing will be exposed by the work. This will include all projects where new concrete (patching, Class DR, etc.) is placed next to existing concrete repair areas or where existing reinforcing is exposed.

Permanent Changes to Project Dated Special Provisions

Revision of Section 202 Sandblasting Reinforcing Steel

<u>Date</u>	<u>Author</u>	<u>Description of Change</u>
9/19/90	SHAMU	In page 2 subsection 202.06 corrected line 2 replaced deck w/concrete, removed added and corrected line 3 - replaced deck area w/concrete surface.
2/18/92	M. HASAN	Subsection 202.06 deleted because it is included in the 1991 Standard Specifications. Subsection 202.07 is renumbered 202.12 per 1991 Standard Specifications.
9/20/1999	M. Nord	Converted to Microsoft Word 97 SR-2 Revised the specification references to conform with the 1999 Colorado DOT Standard Specifications for Road and Bridge Construction as follows: On page one, changed "Subsection 202.02 shall include the following:" To "Subsection 202.08 paragraph 3 shall include the following:" This change was made because 202.08 already partially references sandblasting reinforcing steel. On page one, deleted "(a) General" because the outline levels are not being used in Section 202. On page one, deleted the paragraph that begins with "Following the removal..." because the wording appears in 202.08 paragraph 2. On page one, deleted the paragraph that begins with "A protective device..." because the wording appears in 202.08 paragraph 4.

Revision of Section 202 Sandblasting Reinforcing Steel

On page two, deleted "(b) Equipment" because the outline levels are not being used in Section 202.

On page two, deleted the paragraph that begins with "Sandblasting equipment..." because the requirement is implicitly defined in 202.08 Paragraph 2.

On page two, deleted the sentence "Payment will only be made once for any one portion of the deck." because it is addressed in 202.11 paragraph 5.

On page two, deleted: "Payment will be made under:"; "Pay Item"; "Pay Unit"; "Sandblasting Reinforcing Steel"; and "Square Yard" because they appear in 202.12.

1/14/19	BPM Cons.	Revisions for current format and usage (Include in the cost of the work)
11.1.2021	M. Kayen	Revisions to grammar, format as per CDOT Style Guide (4.22.21)
04.06.2023	M. Kayen	Revisions to make spec online accessibility-compliant. 5.22.23 Additional accessibility work.