



The tamper shall be capable of external control of both line and grade and shall be capable of external control of alignment utilizing a laser guidance system.

The tamper shall be an automatic, vibratory, squeeze-type power tamper equipped with fully functional laser liner and 16 tamping heads, capable of raising both rails simultaneously and maintaining cross-level.

The tamper shall be a production type tamper-liner capable of lifting, lining, and surfacing track and turnouts within the specified track tolerances and with the specified ballast.

The tamper and equipment to be used for tamping operations will be subject to approval by the Engineer.

Every tie in the track shall receive two (2) or more full insertions of the tamping heads and shall be tamped from a point 15 inches inside each rail on both sides of the ties to the end of the ties. Tamping will not be permitted in the center of the tie between the above stated limits. Where raising the track has resulted in a void under the center of the tie, lightly fill the center space. Tamp both ends of a tie, inside and outside of the rail, simultaneously.

Accomplish track surfacing by a method that will not cause undue bending of rail, straining of joints, and damaged rail fastenings. Raise both rails at one time and as nearly uniform as possible. Limit each track lift to an amount that will not endanger the horizontal, vertical, and longitudinal stability of the track.

Lift all ties that are pulled loose during surfacing operations; all down and cornered ties shall be raised to their proper elevation. Clean plate surface of dirt and ballast, plug, spike, and re-tamp to provide full bearing against the rail.

High spikes within the surfacing limits shall be removed, tie plugs installed, and new spikes driven down.

Surface and align track to the tolerances specified in this Section. The number of surfacing passes shall be as necessary to obtain the Engineer's acceptance of the alignment.

The runoff at the end of raise shall not exceed 1/4 inch in 31 feet of track unless otherwise approved by the Engineer.

Where super elevation in curves that exceeds 1", every effort should be made to reduce that elevation to appropriate levels based on posted track speed. Unless a fixed structure does not allow to do so.


Tamp ties to provide solid bearing against the base of the rail after the track is raised to grade at final surfacing. Just prior to final dressing, stabilize track with a dynamic track stabilizer. Bring up all down ties.

During track tamping and stabilizing, add, re-tamp, and re-compact ballast to maintain the depth of ballast indicated by SKOL Managers.

Upon completion of tamping, surfacing and lining operations, the track shall have been fully ballasted, tamped, surfaced, lined, stabilized, and dressed as shown on the Contract Drawings and specified in this Section.

Remove excess ballast from the track. After completion, no ballast shall remain on the tops of the ties, tie plates, or fastening systems.

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2/17/2021	ULW	DRW	 <b>WATCO</b>	<b>WATCO</b> STANDARD SPECIFICATIONS REHABILITATION PROJECTS SURFACING SPECIFICATIONS	SECTION NO.	1000
					STANDARD DRAWING	SPEC. 1000.102
					REVISION	SHEET NO.
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