

REMOVE AND REPLACE RAILROAD TRACKS

****From Barre City STP 026-1(42)**

- xx. DESCRIPTION. This work shall consist of removing and replacing existing rail as shown on the Plans and as directed by the Engineer. The work shall include furnishing all labor, materials, and equipment for removing and replacing or resetting the existing rail, including but not limited to furnishing and installing new track spikes, rail anchors, joint bars, and tie plates. The Contractor shall supply new joint bar bolts, washers, nuts, track spikes, and as many new rail anchors as necessary for this work.
- xx. MATERIALS. Unless otherwise specified, all new materials shall conform to the requirements of the AREMA Manual as follows:
- (a) Rail, joint bars, track bolts, nuts, and washers shall meet the requirements of Chapter 4 - Rail, Part 1 "Design" and Part 2 "Specifications". The Contractor shall supply all new track bolts, nuts, and washers for the joint bars.
 - (b) Tie plates shall meet the requirements of Chapter 5 - Track, Part 1 "Tie Plates".
 - (c) Track spikes shall meet the requirements of Chapter 5 - Track, Part 2 "Track Spikes". The Contractor shall supply all new track spikes of the size specified in the Plans.
 - (d) Rail anchors shall meet the requirements of Chapter 5 - Track, Part 7 "Rail Anchors". The Contractor shall supply all new rail anchors of the same type as the existing. Use of a type different from the existing is acceptable if approved by the Railroad.
 - (e) Shim plates for use under tie plates shall be ASTM A36 or ASTM A709 Grade 36 steel, and shall have the same plan area and spike hole configuration as the tie plates.
- xx. CONSTRUCTION REQUIREMENTS.
- (a) Track construction shall meet the requirements of Chapter 5, Sections 4 and 5 of the AREMA Manual.
 - (b) Track shall be raised and ballast shall be installed and tamped in the cribs and shoulders as required to align the track to the final profile.
 - (c) As directed by the Engineer, defective track spikes, rail anchors, joint bars, tie plates, and shim plates shall be removed and replaced. No additional compensation for installation of new materials will be paid.
 - (d) Existing rail shall be removed within the limits shown on the Plans and stockpiled and protected from damage due to construction operations.

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(e) All track hardware removed that will not be reset, and any waste material, shall become the property of the Contractor and shall be removed from the site at the Contractor's expense.

(f) The track shall be re-tamped after rail has been installed and rail has been back in service for 4 or 5 days. The track shall be monitored for an additional 30 days and, if necessary as directed by the Engineer, re-tamped.

xx. METHOD OF MEASUREMENT. The quantity of Special Provision (Remove and Replace Railroad Tracks) to be measured for payment will be the number of meters (linear feet) of rail removed, replaced or reset, and realigned within the limits shown on the Plans in the complete and accepted work.

xx. BASIS OF PAYMENT. The accepted quantity of Special Provision (Remove and Replace Railroad Tracks) will be paid for at the Contract unit price per meter (linear foot). Payment will be full compensation for supplying new rail hardware as required, removing, handling, and replacing rails and rail hardware, resetting existing rails in bridge approach areas as required, realigning and tamping track, and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
900.640 Special Provision (Remove and Replace Railroad Tracks)	Meter (Linear Foot)